INFORMATION BROCHURE

SESSION 2023-24

For Admission to

B. Tech, M. Tech, MBA and Ph. D Programmes

(For Indian applicants only)

NATIONAL INSTITUTE OF FOOD TECHNOLOGY ENTREPRENEURSHIP AND MANAGEMENT, KUNDLI, SONEPAT, HARYANA

Institute of National Importance (INI)

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Content

डॉ. प्रभात कुमार नेमा, निदेशक

Dr. Prabhat Kumar Nema, Director

Message

Dear Prospective students

Food sector in India is a high-growth and high-profit sector. Food industry is expanding at a compound annual growth rate of 20%, and the food processing sector has accounted for 32% of the total food industry. Food processing is a method by which agricultural and animal products are transformed into food products that are fit for consumption. The food processing sector has its entire footprint across agriculture, industry and services sectors. This has led to the gainful opportunities for employment, entrepreneurship and management.

NIFTEM Kundli (NIFTEM-K), since its inception in 2012 is catalyzing the growth of the food sector by seizing the opportunities through training, incubation, skill development, enterprise development and dissemination of knowledge. The Institute has been recently (on 1st October, 2021) elevated to the status of the Institution of National Importance (INI). This enhanced status has provided leverage to the Institute in its academic pursuits to become world class institute and undertake special outreach activities for the benefit of all the stakeholders.

The students of NIFTEM-K have excelled and made indelible mark in the Food Sector. Students have won the India Smart Protein Innovative Challenge and Dupont Danisco Nutrischolars award, and were runner up Food Systems Innovation Challenge in global student competition and Agri Challenge (NESTLE India). NIFTEM-K is the main destination for recruitment by Food Industries.

The Research and development activities has kept up a brisk pace with time. Faculty members are encouraged to undertake the research projects funded by external agencies such as Government of India, (MOFPI, DST, DBT, CSIR, DRDO, DAE etc.), State government, Private foundations, Industries or Trusts and International funding agencies. In Fiscal Year 21-22, projects worth Rs. 460.36 Lacs have got sanctioned through different external agencies.

NIFTEM-K reached its stakeholders by conducting outreach and entrepreneurship development activities online. Skill development division is regularly conducting training of trainers, training of master trainers and training of assessors for FICSI and NSDC.

The entire activities could not have been carried out well without the full participation and support of all stakeholders. The Institute is grateful to MoFPI for its continued and sustained encouragement and support. We have determined to march forward towards impacting the society with quality education, research and extension services at par with the best in the globe.

NIFTEM-K has been established with a view to meet the ever increasing human resource requirement of the expanding Food Sector in India. NIFTEM provides quality education with modern amenities and global linkages, and students are mentored by experienced faculty. In the past few years, NIFTEM has developed several technologies riding on hard work of students and research scholars.

I welcome the bright young students from across the country to NIFTEM. We, at the Institute are determined to provide space and ambience for realizing their dreams in Food Processing Sector.

(P. K. Nema)

Contents

IMPORTANT DATES FOR REGISTRATION TO B.TECH, M.TECH, MBA AND PH.D PROGAMMES

Commencement of the Submission of Online Application for B.TECH, M.TECH, MBA & Ph.D. Programmes	**01.05.2023**
Last date for the Submission of Online Applications as follows: **M.Tech and Ph.D.:** **MBA:** **B.Tech.:**	**30.06.2023** **25.06.2023** **15.07.2023**

Selection Procedure for B.Tech (FTM): Through JoSAA/CSAB-2023 Counseling and direct NIFTEM K counseling only in case there are any vacant seats remaining after JoSAA/CSAB-2023 Counseling.

Important Instructions for Registration to B.TECH, M.TECH, MBA and PhD Programmes

1. Please read the instructions, procedure and Eligibility criteria carefully before you start filling the Application Form (Refer to the Admission brochure on NIFTEM Website).

2. Candidate can apply for Admission session 2023-24. Apply Online only through official website of NIFTEM-K, Sonepat (www.niftem.ac.in). Link to apply online is : http://niftem.ac.in/newsite/?page_id=1494

3. Please ensure your eligibility as per the criteria laid down for the different Courses (as applicable).

4. Only one application per program will be considered.

5. Application fee per program is Rs.1000/- only for Unreserved (UR)/OBC-NCL/GEN-EWS and Rs.500/- only or SC/ST/PwD. Transaction charges, if any will also be applicable.

6. Application fee once paid will not be refunded in any circumstances.

7. Application fee shall be paid by credit card/debit card/Net Banking only at the payment gateway attached with the application form.

8. Additional bank charges will be extra as applicable for making the payment.

Instructions for filling up the application form :Applicant must register themselves to create a Login ID to fill the online application form. To create the Login ID, the applicant should click on the "Register" button, on filling the necessary information, the system will send an email & SMS with the Username & Password to registered email ID and Mobile No. . Applicant must check their inbox or spam for email. Applicant must click on the link to go to the Login Page. The applicant must provide a valid email ID at the time of registration because all the further communication shall be made to the applicant on the provided email ID. Please remember or note down your Username & your Password for future references. For subsequent logins, candidate will be able to login directly with his/her respective Username and Password.The candidate should supply all the details while filling the Online Application Form. After successful submission of the Application form, Application number will be generated.

In case the applicant forgets his password, he can click on the "Request New Password" link on the Login page. It will ask for the registered Email ID used at the time of registration. Once provided with the same, an email with the password will be sent to the applicant's email ID.

9.   Upload scanned images of the Photograph, Signature and other academic documents

10. The scanned images should be in JPG/JPEG/PNG/PDF/TIFF format only.

11. Size of the photo/documents should not be more than 1 MB each.

12. The Candidate will be able to modify/correct the particulars before making the payment. Once the payment is made, the particulars of the candidate cannot be edited. Therefore, Candidates should verify and confirm all the information filled in the application form before making the payment.

Procedure for making payment of application fee :

13. Application fee is Rs.1000/- for General/OBC/EWS and Rs.500/- for SC/ST/PwD candidates.

14. Payment by Credit Card/Debit Card/Online: The candidate can pay the application fee through Debit/Credit Card/Online. After successful payment, candidate will be able to print the acknowledgment receipt on the profile page of the Applicant account. Note that only the application receipts with payment status as paid will be processed further, hence you are requested to pay before the last date to avoid any inconvenience.

15. After the successful payment, applicants are advised to keep a printout of the completed application for future reference.

16. Applicants are advised to be in touch with the website of NIFTEM for any information on the important dates. However, registered candidates will also be informed by SMS and e-mail. Therefore, the mobile no and e-mail address should be filled up carefully.

17. Applicants applying under OBC-NCL/GEN-EWS category must upload the relevant document having validity from 01, April, 2023 onwards.

18. Now Register and Login to apply.

RESERVATIONS OF SEATS

1. 15% seats are reserved for SC and 7.5% for ST candidates.

2. 27% seats are reserved for Non-creamy layer OBC candidates. All candidates applying for admission under this category should produce the OBC (Non-Creamy Layer) Certificate applicable for OBCs in the Central list at the time of interview.

3. 10% seats are reserved for GEN-EWS (Economically Weaker Section) candidates.

4. 5% seats in each category are reserved for the Persons with Disability (PwD) in the B.Tech, M.Tech, MBA and Ph.D Programmes.

INTRODUCTION

National Institute of Food Technology Entrepreneurship and Management, Kundli (NIFTEM-K) was established as a Centre of Excellence in the field of Food Science and Technology by the Ministry of Food Processing Industries (MoFPI), Government of India in 2012. Upto 30 September 2021, NIFTEM-K was a Deemed to be University (De Novo Category) under Section 3 of UGC Act 1956. NIFTEM-K was the only Institution in the country with a University Status exclusively in the area of Food Processing. The mandate of NIFTEM-K is to offer high quality education, research and management programmes specific to the food industry, disseminate knowledge to the food sector, provide referral advice on food standards and provide business incubation facilities.

The NIFTEM Act 2021 was published in the Gazette of India on 30 July 2021. The NIFTEM Act 2021 came into force through the notification of the Gazette of India on 1 October, 2021. The objectives of the legislation are, to confer the status of Institution of National Importance (INI) to NIFTEM, Kundli and NITEM, Thanjavur to provide for functional autonomy to the Institutes to design and develop courses, undertake research activities and leverage enhanced status in their academic pursuits so that they become world class institutes, and to implement the reservation policy of the Government and would also undertake special outreach activities for the benefit of concerned stakeholders.

Location: NIFTEM-K is situated in the HSIIDC Industrial Estate, Kundli on Delhi-Haryana Border. Kundli belongs to Sonepat district of Haryana state. Nearest Metro Station is Jahangirpuri, which is 23 km from NIFTEM-K. The distance of Delhi Bus Stand (ISBT- Kashmiri Gate) and New Delhi Railway Station from NIFTEM-K is about 30 km and 40 km, respectively. Nearest airport is Delhi International Airport which is at a distance of 70 km from NIFTEM-K.

Place NIFTEM-K location and route map here.

Campus: NIFTEM-K is a fully residential institution for students, and provides hostel accommodation to all students. The Institute campus area is 100 acres. NIFTEM has developed a world class infrastructure including centrally air conditioned, Administrative, Academic, Laboratory Blocks, Cafeteria, NIFTEM Knowledge Centre (a multi-level five story 5474.29 Sq.M. state–of-the-art library), 05 (100 seater) Lecture Halls, 09 (25 seater) Class rooms, 06 Tutorials rooms, 03 Seminar Halls, 02 Common Rooms, 15 UG/PG laboratories, Animal House, Central Instrumentation Laboratory, Food Tecting Laboratory, 800 seater capacity auditorium, 01 multi-purpose Semina-cum-museum Hall and 08 PhD study carrels at NIFTEM Knowledge Center. NIFTEM is a Green Campus with 30000 trees planted in the campus. It has 24 hours power backup/bank//Dispensary/24 hours Ambulance/Shopping Centre etc. and 04 hostels (03 for boys & 01 for girls), an International Guest House. NIFTEM-K has sports complex with world class infrastructure facilities including stadium, 400 m 8 lines athletic track, 02 Play Courts of Lawn Tennis, Basketball and Volleyball each, 04 Play Courts of Badminton, 02 Cricket Practice Pitch, 01 Football Ground, 01 Kabaddi Ground and NIFTEM Central Gym. Student's Activity Centre with working space for Cultural, Fine Arts, Literary, Technical and other student societies under NIFTEM-K Gymkhana Club has been developed aiming the overall development of NIFTEM students.

MANDATE OF NIFTEM

NIFTEM-K has a mandate to work as Sector Promotion Organization / Business Promotion Organization of the food processing sector. The major objectives of NIFTEM-K are to:

➢ Work as a "One Stop Solution Provider" to all the problems of the sector.

➢ Work for skill development and entrepreneurship development in the sector.

➢ Facilitate business incubation services through its ultra-modern pilot plants for processing of fruit and vegetables, dairy, meat, ready-to-eat (RTE) and traditional food

➢ Conduct frontier area research and foster innovation for the development of sector

➢ Develop world class managerial talent coupled with advanced knowledge in food science and technology.

➢ Functioning as a knowledge repository on various aspects of food processing such as product information, production and processing technology, market trends, safety and quality standards, management practices among others.

➢ Work for the upgradation of SME food processing clusters.

➢ Provide intellectual backing for regulations governing food quality and safety.

➢ Promote cooperation and networking among existing institutions within India and abroad.

ACTIVITY FOCUS OF NIFTEM

- Education and Research
- Skill Development
- SME Up gradation
- Consultancy
- Extension and Outreach
- Technology Enterprise Incubation
- Food Safety &Quality

INNOVATIVE CONCEPTS IN NIFTEM EDUCATION

- B. Tech. and M. Tech. programmes have a unique blend of technology and management.
- Innovative, globally benchmarked curriculum.
- Innovative approach for teaching through e-contents.
- Catering socio-technical issues through a unique Village Adoption Programme.
- Regular Interactive sessions with top professionals and managers of food industry/policymakers.
- Experiential learning opportunity through industry internship.
  (B. Tech and M. Tech programmes)
- Innovation Research fund for students.

CAREER PROSPECTS

CAREER PROSPECTS IN FOOD SECTOR

Food industry in the country looks forward to a rapid growth with change in socio- economic environment and food consumption pattern of the prospering population in general and of the youth, in particular. Indian Food processing Industry in growing at a rate of around 10% per annum as compared to the total industrial growth of 9.5%, in the country. The food processing sector attracted 100% foreign direct investment (FDI) of 709.72 million US$ in 2022-23. A study conducted by Institute of Applied Manpower Research (IAMR) foresees a wide skill gap at various levels in food sector touching around 35 million by 2017. Thus, Food Industry is going to be a major employer in the days to come.

NIFTEM aims at expanding the food technology research and education far beyond the conventional realm, by covering upstream food technology disciplines and providing exposure to its students in cutting edge areas of relevance. The focus of NIFTEM-K transcends beyond traditional technology applications, so as to provide better career prospects to students in the field of Food Technology and Management to enable them to meet the demands of high-end professionals in Food Industry. Processing in food sector is growing and of eminent importance. In today's scenario, processing will give farmers its due and NIFTEM, through Village Adoption program is providing the same. The curriculum at NIFTEM has been designed as per the industries' feedback regarding difficulties in recruiting suitably trained manpower as there is a huge shortage of the same.

CAREER OPTIONS IN FOOD SECTOR

There are various opportunities for students in food processing and food service sectors:

- Product Development Scientist
- Sensory Scientist
- Food Microbiologist
- Food Analyst
- Quality Control Manager
- Food Process Engineer
- Food Ingredient Manager
- Food Regulatory Affairs Specialist

- Nutrition Specialist
- Supply Chain, Cold Chain Logistics Specialist
- Production and Operations Manager in Food industry
- Food Fermentation Specialists
- Food Processing Sectors: snack food, beverages, meat, winery, dairy etc.
- Food Service Sectors: supply chain, postharvest, food retailing, food regulations and health and wellness service providers.
- Managers, Technocrats and Consultants in Food Industry.
- Pursuing higher degree for careers in Academia and research.

RANKING & AWARD:

In NIRF India Rankings 2022 under Engineering category, NIFTEM scored 37.96 and ranked 127 among 1249 Institutions participated.

ACADEMIC DEPARTMENTS:

All five academic departments are involved in teaching at the undergraduate level. Each academic department offers an academic programme at the post-graduate level besides Ph.D. in the specialized areas of research.

DEPARTMENT OF FOOD SCIENCE AND TECHNOLOGY (FST)

The Department of Food Science and Technology aims to promote innovation in food sector and catalyze the growth of food processing industry in India in global context. Apart from imparting world class education in the field of food science and technology, the Department has research programmes in frontline areas of Food Science and Technology. In addition, the Department aims to assist the government in policy making on food processing as well as analyzing regulations and standards and proposing/updating changes.

DEPARTMENT OF FOOD ENGINEERING (FE)

The main objective of the Department of Food Engineering is to create trained and skilled human resources to cater to the needs of the rapidly growing food processing sector. The thrust research areas of the Department are Drying Technology, Structure Dynamics (CAD/ CAM), Operational Design and Development, Food Processing Equipment Design, Product Development, Food Packaging, Sensors in the Food Industry, 3D Food Printing, Waste Product Utilization, Dairy Technology, Biotechnological Interventions and Novel Processing Technologies in Food Engineering.

DEPARTMENT OF FOOD BUSINESS MANAGEMENT AND ENTREPRENEURSHIP DEVELOPMENT (FBM& ED)

Department of Food Business Management and Entrepreneurship Development aims to contribute to the continuous improvement of the agribusiness environment through research endeavors and supply of skilled agribusiness managers to the talent pool of the country. The Department nurture and hone the managerial and entrepreneurial abilities of the youth who shall enter the world of agribusiness sector with an acumen well suited to needs of the agro based industry. The Department offers various courses related to Agribusiness Management, Entrepreneurship Development, Communication and Language Skills and other management disciplines at the undergraduate level, and specialized courses tailored to cater the needs of food and agriculture industry at the postgraduate level. The Department also subscribes to various corporate and economic databases along with specialized data analysis software (MATLAB/ SPSS) that can be directly accessed through the Computer Laboratory.

DEPARTMENT OF BASIC AND APPLIED SCIENCES (BAS)

The Department of Basic and Applied Sciences encompasses diverse disciplines of basic and advanced sciences offering foundation courses of Physics, Chemistry, Mathematics, Statistics and advanced applied courses in Analytical Chemistry, Biochemistry, Food Safety, Microbiology and Computer Science. The functional areas of the department include theoretical and practical skills in food safety and quality, food and human nutrition, chemical aspects of foods, application of physics principles in food processing, food testing (microbiological and chemical) as well as mathematical modeling in food processing. The Department inculcates learning culture that trains the students to innovate in the field of food safety and quality, food sciences and food packaging through scientific, professional and interpersonal skills and as a key contributors to the society.

DEPARTMENT OF AGRICULTURE AND ENVIRONMENTAL SCIENCE (AES)

The primary focus of the Department of Agriculture and Environmental Science is postharvest management of fruits and vegetables, supply chain management, environmental impacts of food processing sector and outreach activities. The courses offered prepare the students for the successful careers in multidisciplinary endeavors of postharvest management, processing and supply chain, environmental and allied private/public sectors. The outreach efforts of the department provide innovative yet practical information to help people, businesses, and communities to find solutions, develop skills, reduce postharvest losses, and build a better future.

ACADEMIC PROGRAMMES

NIFTEM offers B. Tech., M. Tech., MBA and Ph.D. programmes. The B. Tech. and M. Tech. programmes were initiated in the year 2012-13. Ph.D. programmes were started in 2013-14, and MBA programme was started in 2016-17. B. Tech., M. Tech. and MBA programmes have been approved by AICTE since inception to till date.

Salient features

- ✓ The B. Tech. and M. Tech. programmes of NIFTEM are unique in India with the blend of basic essence of food science, engineering and management.
- ✓ MBA is offered with dual specializations-(i) Compulsory: Food & Agri-Business Management, (ii) Optional: One of Marketing/ Finance/ International Business to fulfill the industry demands.
- ✓ In Ph.D., scholars conduct the advanced studies in the specialized areas of research of each Department.
- ✓ The meritorious students of B. Tech and M. Tech. are given **global exposure** by arranging visit / work in the partner Institutions abroad. MBA programme provide **international exposure** to students through international immersion program.
- ✓ UG and PG programmes have experiential learning through the 5 **pilot scale food processing plant**s and **enterprise incubation** facilities in the campus followed by strong institute-industry linkage.
- ✓ The students are most exposed to corporate sector in the form of **industry internships, innovative corporate-linking workshops, group discussions and guest lectures.**

ACADEMIC SUPPORT FACILITIES

The academic Departments are supported by academic centres involved in advanced food testing, corporate resources, consultancy, skill development and entrepreneurship development.

CENTRE FOR ADVANCED FOOD TESTING AND ANALYSIS (CFRA)

Centre for Food Research and Analysis is an advanced food testing and R&D centre for food, water, beverages, fish and marine products, animal feed and allied products. The Centre was established in 2018, and it has got accredited from NABL, FSSAI and APEDA as per the ISO: 17025:2017 requirements for its integrated scope of biological and chemical tests (more than 2000 parameters). CFRA has been notified by FSSAI as National Reference Laboratory in the month of February 2021.

CFRA has cutting-edge technology and equipped with sophisticated instruments with 21 CFR part 11 enabled and DQ, IQ, OQ, PQ Qualified Instrumentation, automated robotics, data loggers, Class 10K clean rooms. The Centre conducts wide range of testing in strict adherence to the scientifically approved protocols and standards by food regulators like FSSAI and APEDA. The centre has systems and processes which ensures precise, reliable, secured and legally defensible data of testing.

CORPORATE RESOURCE DIVISION (CRD)

Corporate Resource Division is working towards building a strong campus-corporate relationship to arrange for industry internship, and to attract the vast majority of companies to come to our campus for sampling the talent pool of NIFTEM in order to provide the students with good career opportunities in their areas of interest. Apart from this, the division is also involved in grooming the students for the selection procedure of different companies by organizing expert lectures, seminars, group discussions, mock interviews and conducting pre-internship and pre-placement training activities.

The activities of the CRD has been digitised through a web based software, SaaS (Software as a service). The stakeholders were linked through the SaaS platform for availing placement, internship, expert lectures, training opportunities etc., across country from home locations of the students.

PLACEMENT & AVERAGE SALARY PACKAGE AT A GLANCE (Year 2014-2022)
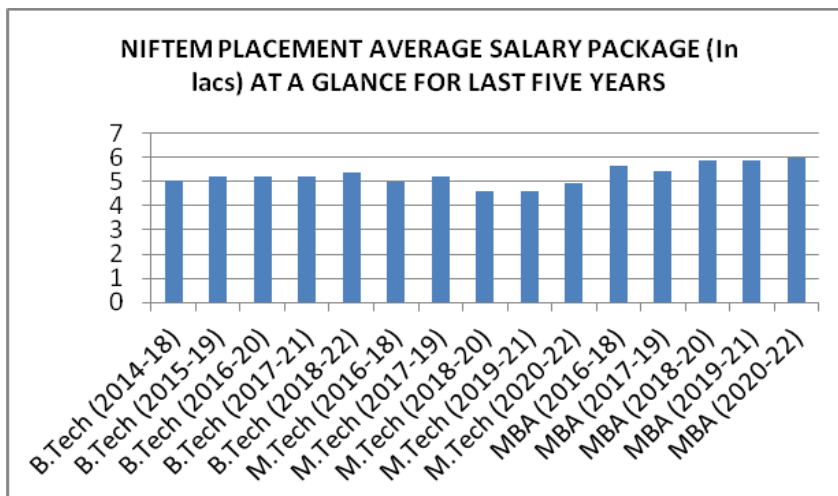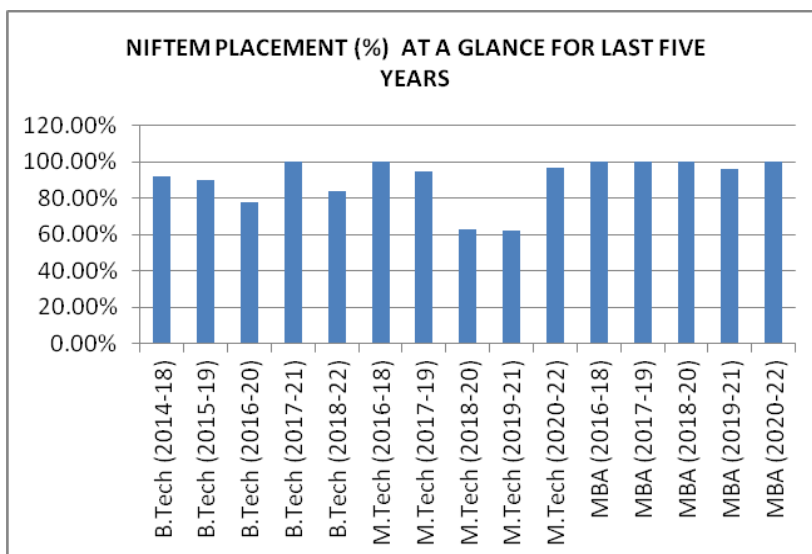
CONSULTANCY DIVISION

The NIFTEM Consultancy Division (NCD) is committed to the timely service with innovative solutions to cater the needs of the booming food processing sector and various stakeholders such as entrepreneurs, industry, exporters, policy makers, government and research institutions. The Division guides entrepreneurs, companies, firms and institutions to reach the prompt solutions to their problems, and create New Edge Opportunities.

SKILL DEVELOPMENT DIVISION

The Skill Development Division endeavors to organize training courses of various durations for developing the skill base of the managers working in small and medium food processing industries in organized as well as unorganized sectors. In pursuit of its strategic goals of capacity building and human resource development in food processing sector, NIFTEM has been organizing series of training programmes at NIFTEM campus which includes Training of Trainers, Training of Master Trainers, Training of Assessors, Trainings under Village Adoption Programme, and other need based trainings for different organizations like KVIC, NHB, Farmer Producer Organization, FSSAI, etc.

CENTRE FOR ENTREPRENEURSHIP DEVELOPMENT (CED)

NIFTEM is the country's premier Institute in Food Technology, with entrepreneurship as a key mandate. To foster the process of imbibing entrepreneurial spirit among its students, NIFTEM has the CED that host training programmes, Workshops, Entrepreneurship conclaves, start-up pitch competitions etc.

INCUBATION FACILITIES

NIFTEM Technology Innovation and Business Incubation Facility (NTIBIF), pilot scale food processing plants and CoE on Cold Chain Technology and Management constitute the incubation facilities that provide the complete start-up ecosystem, and encourage innovation and entrepreneurship.

NIFTEM TECHNOLOGY INNOVATION AND BUSINESS INCUBATION FACILITY (NTIBIF)

NIFTEM Technology Innovation and Business Incubation Foundation was officially registered as a section 8 company on 4 August 2020. It is a Technology and Business Incubator (TBI) aimed at providing office facilities, mentorship support, seed money, laboratory infrastructure and pilot plant access as a complete start-up support ecosystem towards entrepreneurial development. It will tie up with corporate, institutions and experts to organize training sessions, competitions, workshops and funding opportunities for encouraging innovation and entrepreneurship. A detailed incubation policy draft has been approved in this regard. A dedicated infrastructure facility has been created at the campus for the company which will be expanded in due course of time as per future requirements.

PILOT PLANTS

NIFTEM has established 4 pilot scale food processing plants to facilitate start-ups for evaluating new process or product lines, to develop novel and innovative products and processes by the food industry, to modify existing products and processes, to venture for the evaluation of new ingredients, formulations and processes on a small and medium scale production, and to demonstrate and train the students, progressive farmers and potential entrepreneurs.

Four pilot plants with processing vessels, product and process lines of varying capacities were established in May 2018 to cater to the needs of the following food sectors:

(i)   Fruits and Vegetables processing

(ii) Meat and Poultry processing

(iii) Milk and Dairy products

(iv) Ready-to-eat (RTE) and Traditional food

(V) Bakery

CENTRE OF EXCELLENCE ON COLD CHAIN TECHNOLOGY AND MANAGEMENT

Danfoss CoE for Cold Chain Technology and Management was setup in NIFTEM on 21 Feb., 2019. The CoE aims at creating awareness to help in the reduction of food waste and food loss due to post-harvest management practices. The Center is focussed on (i) Showcasing innovation in Cold chain for Indian Food and Food Processing sector, (ii) Providing Danfoss E-learning tools on cold chain to support education, (iii) Danfoss Innovator Awards Program using Industry 4.0 technologies in Cold chain, (iv) Bridging the industry skill gap and capacity building, (v) Jointly developing and delivering certification programs for various stakeholders of Cold Chain industry value chain, (vi) New Business Models to support Agriculture Production Centres to enable doubling farmer's income.

NIFTEM KNOWLEDGE CENTRE (NKC)

NKC has a unique set up of Information and Library Network system, and equipped with modern infrastructure like ILM KOHA, 3M's RFID security system with self check out-in facility, information KIOSK, CD/DVD library with electronic CD/DVD holder, digital library and projector room. The resources includes number of on-line full text databases, e-books, e-journals, standards besides collection of print materials in the form of book, journals, magazines, theses, reports etc. NKC has also subscribed Knimbus mLibrary platform to provide remote access to all its subscribed e-contents for all registered members. NKC has reprography / printing / scanning

facility, digital library with 12 multimedia PCs, Indexing / Barcode system and OPAC (Online Public Access Catalogue). Its seating capacity is more than 230 students.

Books	More than 12852 titles and more than 22170 volumes
Periodicals	Print Journals: 92 Print Magazine: 24 & Newspapers : 08
E-Journals / Online Databases (Full Text)	17000 + from Science Direct, EBSCO (Business Source Complete, Food Science Source, FSTA), Sage Publication, Emerald, Wiley, Taylor & Francis, J-Gate (Engineering & Technology, Social & Management Science), Indiastat.
E-books	4000+ titles from CRC Netbase, Elsevier, Woodhead, Astral, Springer, Taylor & Francis, Wiley, McGrawhill, World Technology Publications including books in aggregator platform like Proquest Central (MyIlibrary), Science Direct, EBSCO host etc.
Library Software and EM-RFID System	KOHA LMS and 3M
Knimbus	Single window search platform with mobile app.
Standards	680 ISO Standards, BIS Standards (FAD) Food Chemicals Code (FCC)
Subscription	Turnitin, Urkund Indiastat, ACE Analyser, ACE Equity(Desktop Version), Grammarly, Magzter e-Magazine platform etc.
Classification Scheme	DDC 23rd Ed
Membership	Dairy Industry Association of Austrialia (DIAA), DELNET
Reprography/printing/Scanning Facility	Yes
Digital Library Facility	Yes (12 Multimedia PCs)
Indexing/Barcode	Yes
OPAC (Online Public Access Catalogue)	Yes
Seating Capacity	More than 230

NIFTEM's NEWSLETTER

Publication of quarterly newsletter 'Abhivyakti' where Faculty and students contribute The newsletter is circulated to all concerned sectors, ministries, department and the people. (not in existence)

AUTOMATED EXAMINATION SECTION

NIFTEM has implemented the automation in the examination system that include registering students for the academic programmes, course enrolment, online question bank creation, conduct of mid- and end term examinations, coding / decoding of answer sheets, online issuing of answer sheets to evaluators, online evaluation of answer sheets and uploading of marks by evaluators, result preparation and intended notice delivery to students, teacher and parents etc. The activities are data driven, automatic and paperless.

INTERNAL QUALITY ASSURANCE CELL (IQAC)

NIFTEM has established IQAC to develop a system for conscious, consistent and catalytic action to improve the academic and administrative performance of the institution, and to promote measures for institutional functioning towards quality enhancement through internalization of quality culture and institutionalization of best practices.

IT FACILITIES

NIFTEM is extensively using ICT based teaching methodology. There are eight 100-seater and nine 25-seater centrally air conditioned classrooms with ICT facilities. Each classroom has smart digital podiums which are suited for lecture recording, lecture script, flowcharts, data presentations, etc. These digital podiums are equipped with visualizer that is a documented camera which can display document through ICT devices. Digital podium facilitates for lecture deliveries, presentations, demonstration of documents, recording of audio/video with external storage extended up to 1TB and cloud storage of 5TB.

NIFTEM has internet connection of National Knowledge Network (NKN) facilities of 1GBPS in the entire campus. It supports overlay network and other applications used within the organization. It provides ultra-high bandwidth network with fully connected super core.. There is a dedicated Computer Centre with 100 PCs and Communication Laboratory with 25 PCs of latest configuration exclusively for students. The Computer Laboratory has the academic purpose softwares like, MATLAB, Design Expert, Solid Works, SPSS, C++, Team Net etc.

NIFTEM supports online teaching learning process through CISCO Webex Platform for 1000

users (100 cloud meetings) with lecture recording facility. Now, NIFTEM is in the process of implementing e-Office for 100 users through NIC. E-Office enhances the transparency, increases accountability and transform work culture and ethics.

VILLAGE ADOPTION PROGRAMME (VAP)

In pursuit of excellence, NIFTEM initiated a humble and unique programme since 2012, Village Adoption Programme, towards nation building. The major objective of VAP is to enable a symbiotic learning environment for students and farmers for mutual exchange of scientific and native knowledge and promoting rural youth and farmers to take up entrepreneurship in food processing sector for better income generation. This is also expected to result in all-inclusive growth of the food processing sector, and facilitate the process of integrating the underprivileged sections of our population with the main stream economy.

COLLABORATIONS ACROSS THE GLOBE

INTERNATIONAL COLLABORATIONS

NIFTEM has MoU with Kold College, Denmark, Danish Consortium for Academic Craftsmanship (DCAC), Denmark, LoI - AAFC Canada and Nepal Agriculture Research Council (NARC)

NATIONAL COLLABORATIONS

NIFTEM has Mou with Association of Lady Entrepreneurs of India (ALEAP), MoC – Development of Food Processing Sector in Andhra Pradesh, CPWD, MoI – Central Railside Warehouse Company and MSTC Ltd., CSIR Indian Institute of Toxicology Research, Lucknow, Danfoss Industries, Food Safety & Standards Authority of India (FSSAI), MoC – Horticulture Development Project, Shimla, Indian Institute of Packaging (IIP), MoA – National Research development Corporation (NRDC), Institute of Horticulture Technology, Greater Noida, Bundelkhand University, Jhansi, LalaLajpat Rai University of Veterinary and Animal Sciences (LUVAS), Hisar, Chandra Shekhar Azad University of Agriculture & Technology, Kanpur, National Agri-Food Biotechnology Institute (NABI), Mohali, Punjab, Women and Child Development Department, Kerala, All India Institute of Ayurveda (AIIA), New Delhi, Women & Child Development Department, Govt. of Kerala, National Institute of Solar Energy (NISE), Harcourt Butler Technical University, Kanpur, INFLIBNET – Shodhganga&Shodgangotri, Gandhinagar, Gujrat, National Institute for Micro, Small and Medium Enterprises (ni-msme), Hyderabad, Mata Gujri College Fatehgarh Sahib Punjab, University of Agricultural and Horticultural Sciences (UAHS), Shivamogga, Karnataka, Jamia Hamdard, New Delhi, LoI - Good Food Institute (GFI), ICAR Central Plantation Crops Research Institute, Kasaragod, Central University of Haryana, Mahendergarh, Nestle Food Safety Institute, Cropin Technology Solutions Pvt Ltd, Central Scientific Instruments Organisation, Chandigarh and Confederation of Indian Industries (CII)

STUDENT'S FOREIGN EXPOSURE PROGRAMME

Every year three meritorious B. Tech. students (based on CGPA till fifth semester) and one M.Tech student from each of the five M. Tech. programmes are sent to foreign Universities under student exchange programme for academic learning with 100% fare. Similarly MBA students are visiting to various foreign countries under Foreign Immersion programme. In this series, till now students have visited to Thailand (2016-18), Netherland(2017-19), Australia (2018-20) and Thailand(2021-22)

Students have visited following foreign universities till date:

- University of Nebraska Lincoln,USA
- Kansas State University,USA
- University of Sasketchwan,Canada
- Institute of Food Safety and Health, Illinois Institute of Technology, USA
- McGill University, Montreal,Canada
- Agriculture Institute of Technology, Thailand

AMENITIES IN NIFTEM CAMPUS

STUDENT HOSTEL

There are 04 Hostels (03 for Boys & 01 for Girls) with a capacity of 950 students. We have four different Hostels named as; Brahmaputra, Sutlej, Kaveri and Ganga. Ambience with the right blend of studies and extracurricular activities has been created in the hostels. The living rooms are well furnished and spacious with all the modern amenities. A well-designed common room provided with television facility is another feature. A centralized gymnasium equipped with the latest state of art equipment to ensure the good physical health of the students and to improve physical health & vigour. Laundry service is also available within the hostels. A canteen service has been provided to the students. This provides hygienically prepared snacks, soft drinks and other eatables to students on payment basis. Staying in the hostel is mandatory for all students.

Hostels are having Bio-Metric Attendance procedure to monitor the in and out of the students. Hostels are also equipped with Local Area Network and Wi-Fi connectivity for 24 hours which also helps students in getting the access of study materials and online study material availability. 100% Power backup is also available in the hostel premises to ensure power availability to the students. Entertainment Facilities like Common room is equipped with LED's, Dish TV Connections, Study Room, News Paper Stands are also present in each hostels. Public Address System is also installed

in each hostel for circulation of any important and urgent information in the hostel premises.

*one more hostel is under construction for post graduate students.

CAFETERIA

In the immediate vicinity of the NKC, there is a big cafeteria & NESCAFE Outlet in the campus offering variety of hygienic food and beverage items.

MEDICAL FACILITIES

Round the clock medical facility exists within the campus wherein a doctor is available during institute hours and on call. To facilitate prompt action during any medical emergency, dedicated paramedical staffs is always present. Also the campus dispensary has been provided with all the essential first aid medicines and an ambulance.

MARKET COMPLEX

A small market complex exists in NIFTEM campus having convenience facilities like Saloon, Provision Store, Ice Cream Parlour and Fruits outlet.

LAUNDRY FACILITIES

Laundry service is also available for washing and ironing of the clothes within the hostel.

PHOTOCOPY AND REPROGRAPHIC CENTER

Apart from the institutional photocopy services, a Photocopy and reprographic centre caters to frequent photocopy, spiral binding and other related requirements of the students.

INTERNATIONAL GUEST HOUSE FACILITIES

An Air conditioned guest house facility for visitors is available on payment basis. They can avail the facility only on advance booking.

SPORTS FACILITIES

NIFTEM has following sports amenities:-

CENTRALIZED GYMNASIUM: - Centralized Gymnasium equipped with the latest state of art equipment to ensure the good physical health of the students. Its main aim is to promote the health and vigour to students.

ONE OUTDOOR STADIUM WITH STANDS

TWO BASKETBALL COURTS

ONE FOOTBALL GROUND

TWO INDOOR BADMINTON COURTS (BASEMENT)

FOUR OUTDOOR BADMINTON COURTS (SATLUJ & GANGA) & TWO (KAVERI)

TWO OUTDOOR BADMINTON COURTS (PORTA CABINS)

TWO LAWN TENNIS COURT

TWO VOLLEYBALL COURTS

TWO CRICKET PRACTICE NETS

KABADDI COURT, CARROM, TABLE TENNIS & CHESS ALSO AVAILABLE IN EACH HOSTEL

ATHLETIC TRACK

ONE INDOOR SPORTS COMPLEX *

RESIDENTIAL & AMENITIES

NIFTEM is having 100% Residential Campus equipped with the basic amenities which is required for day to day practices like the Shops, Laundry, Medical Dispensary, Canteen, Gymnasium, Photocopy and Reprographic. The Porta Cabins are also developed by keeping in view of the Visiting Guest with the attached Bath Facilities and the Sports Complex.

STUDENT WELFARE

Office of the Student Welfare looks after the protection of rights and supervises the welfare activities. It plays a key and vital role to the journey of students. The efforts of student welfare are intended to promote students learning and a balanced development of their lives in general.

The central objective is therefore to prevent various problems and to discover barriers to learning. It provides the guidance and the directions to the students. It promotes and co- ordinates the different student activities for better professional life. It also tries to nurture students' mental, physical, cultural growth with various activities to improve their overall personality development and to make them compete in the globalized world.

Department of Student Welfare undertakes many activities for welfare of students like Mentorship Programmes for Students (For guiding and providing assistance to students by Faculty), Security &

Safety of students in Campus, Maintaining Discipline , Code of Conduct & Hostel regulations, Financial Aid (Scholarships & Educational Loans), Hostels IT facilities (Internet connectivity-WI-FI, LAN etc.),Medical facilities(Dispensary) Transport facilities (Shuttle Service), Entertainment facilities (LED's , Public Announcement System), Extra-curricular facilities (Indoor Sports Complex, Courts etc.), Industrial Internships & Visits to the top food processing & agriculture industries., Special guest lectures from the eminent personalities of industry & academia, Organising cultural programmes for students on various events of national importance, Celebration of days of national importance like — Earth day, Environment day, World Food day etc., Food Facilities for students (Tuckshops), Alumni Association for passed out students, Verification of Antecedents of students and issuance of supporting document, An on campus dispensary caters to general health problems. Faculty and students have an insurance policy for medical emergencies, Ambulance facility at the dispensary has been provided to meet the emergencies, a bank, grocery shop and other general amenities are available on campus, 100% Power backup facility in the campus., the sports facilities have been developed to the large extent and Facility of common rooms and gyms provided in all the hostels, Orientation Programme for the newly admitted students, Organization of Annual Cultural Festival, Annual Sports League (NSL), Days of National Importance:-Republic Day, Independence Day, Constitution Day, Hindi Pakhwada , Qaumi Ekta Week, National Integration Day , Vigilance Awareness Week etc, Celebrations of festivals like:- Ganesh Pooja, Deepawali, Saraswati Pooja, Holi, Onam, Pongal, ART of Living Sessions(YES+), Alumni Meet, Freshers Party for U.G. Courses(B.Tech), Freshers Party for P.G. Courses (M.Tech &M.B.A), NIFTEM Cricket League (NCL) , NIFTEM Basketball League (NBL),NIFTEM Volleyball League (NVL) , NIFTEM Badminton League(NBL), Farewell Party for U.G. Courses (B.Tech), Farewell Party for P.G. Courses (M.Tech & M.B.A)

STUDENT INDUCTION PROGRAM

Induction Program is offered right at the commencement of the first year and classes will begin only after Induction program is over. Main purpose behind this initiative is to make the students feel comfortable in their new environment, set a healthy daily routine, create bonding in the batch as well as between faculty and students.

A 3-week Induction Program prepare newly admitted undergraduate students for the new stage in their life by facilitating a smooth transition from their home and school environment into the college and university environment through various discussions and activities.

FACULTY MENTORSHIP

In NIFTEM, mentoring and grooming of the students is in the hands of the experienced faculty members. The faculty member as mentor, guides and provides assistance to students. There is regular meeting of the mentees with mentor, where most of the problems faced by the students are addressed and solved.

FINANCIAL AID (SCHOLARSHIPS & EDUCATIONAL LOANS)

NIFTEM-K has implemented the scheme of full Tuition Fee Waiver to the students belonging to SC, ST and Divyang.

CENTERAL GOVERNMENT SCHOLARSHIPS

For National Scholarship Portal we would like to inform all the students that Institute Code is **S-8898**. Kindly search the institute by this code and apply for the scholarship as per the eligibility.

Various schemes under different ministries are available in the National Scholarship Portal for the students to receive the financial assistance.

STATE GOVERNMENT SCHOLARSHIP

NIFTEM is already registered for various state government state scholarships like Rajasthan , Madhya Pradesh , Manipur etc., Andhra Pradesh

INSTITUTE SCHOLARSHIP

Scholarships are important part of academic institution whereby deserving students are supported to excel in their studies. NIFTEM has the policy of supporting students who not only excel in studies but also who have limited resources to meet their needs.

In addition to the Central / State govt. scholarships for SC/ST/ OBC, etc., NIFTEM provides following types scholarship to students:

NIFTEM MERIT SCHOLARSHIPS: No. of Scholarship: Total number of scholarships will be declared at the time of announcement of scholarships. The scholarship will be available to first 03 students on merit in each batch of B.Tech and one student on merit in each of programme of M.Tech and MBA.

NO. OF SCHOLARSHIPS: Total no. of scholarships will be declared at the time of announcement of scholarships. The scholarships will be available to first three students on merit in each batch of

B.Tech & one student on merit in each programme of M.Tech.

AMOUNT OF SCHOLARSHIPS : The scholarships will include proportionate tuition fee waiver based upon merit (100% waiver for first position , 90% waiver for second position and 80% waiver for third position holders) and a fixed stipend of Rs. 12000/- for whole academic session / year.

Criteria for scholarships:

Programme / Course	Year of scholarship for award	Duration of Merit
B.Tech(FTM)	For First year	Student must be admitted in first year with JEE ranking (Subject to below 25000 rank)
	Second Year onward	Result of Semester grade point scores of preceeding two semesters. I & II semester for second year. III & IV semester for Third Year V & VI semester for Fourth years.
M.Tech	First Year (Second semester onwards)	Result of first semester examination based on SGPA
	Second Year	Result of I & II semester based on CGPA
M.B.A	First Year (Second semester onwards)	Result of first semester examination based on SGPA
	Second Year	Result of I & II semester based on SGPA

NIFTEM MERIT-CUM-MEANS SCHOLARSHIPS : Institute merit cum means scholarship will be awarded to B.Tech / M. tech students of the institute strictly on merit cum means basis for needy students having limited resources.

NO. OF SCHOLARSHIPS : Total of 5 students of a batch will be considered for award of this scholarship in B.Tech and one each in all the five streams of M.Tech.

AMOUNT OF SCHOLARSHIP : It includes 70% tuition fee waiver and a fixed stipend of Rs. 12000/- for whole academic session / year.

CALCULATION OF MERIT CUM MEANS SCORES : Weightage of Parental Income 40% & Weightage of Merit of student 60%

INDUSTRY SPONSORED (CORPORATE) SCHOLARSHIPS : The fund contributed by corporate / organizations is kept in a corpus fund on long term basis. This fund is invested in any scheduled bank after obtaining the competitive rates from banks. The above scholarship is disbursed out of

the interest earned out of the corpus funds on yearly basis. This Scholarship is awarded with two above mentioned scholarships

GRADED TUITION FEE WAIVER FOR STUDENTS: Under this Scheme, the following may be noted:

- Family income less than 01 lakh (To be given complete TFW)
- Family income 01 lakh to 05 lakh (Rs. 17217 to be given by the students under this slot)
- Family income above 05 lakh (Full Tuition Fee to be given by the students under this slot)

EDUCATIONAL BANK LOAN – FOR STUDENTS: NIFTEM assists all students who desire to avail study loan from banks. In this respect, State Bank of India's branch located inside the campus provides all necessary help and students are provided step by step guidance to process their loan. SBI branch can be contacted at Tel: 0130-2372114/2372113, E- mail: sbi.15479@sbi.co.in

Department of Student Welfare is having following officials:

Sr. No.	Staff Name	Designation	Contact Details	E-mail id
1	Prof. Vikas Saxena	Professor & Dean (Student Welfare)	8607114499, 0130-2281113	saksenavikas@hotmail.com & dsw@niftem.ac.in
2	Dr. BhimPratap Singh	Associate Professor & Associate Dean (Student Welfare)	9436353807 & 0130-2281266	bhimpratap@gmail.com bpsingh@niftem.ac.in
3	Sh. Aakash Rai	D.E.O. Dean (Student Welfare) Office	8199940727 & 0130-2281113	aakash.rai@niftem.ac.in aakash.rai1085@gmail.com
4	Sh. Lokesh Kumar	Caretaker, DSW Office	9910155825	lokesh.niftem@gmail.com

Details of the Hostel and Staff associated with it are mentioned as under:-

Sr. No.	Staff Name	Designation	Hostel	Contact Details
1	Dr. Rekha Meena	Assistant Professor & Warden	Kaveri (Girls) & Porta Cabin – 1	8368189017
2	Er. Kumar Rahul	Assistant Professor & Warden	Brahmaputra (Boys)	9920032558
3	Dr. MurlidharMeghwal	Assistant Professor & Warden	Ganga (Boys) & Porta Cabin-2	9739204027
4	Er. Anand Kishore	Assistant Professor & Warden	Satluj (Boys)	9800105812
5	Dr. Kuljinder Kaur	Assistant Warden	Kaveri (Girls) & Porta Cabin – 1	9813259856
6	Dr. Kishanpal Singh	Assistant Warden	Brahmaputra (Boys)	9312790109
7	Sh. Saravanan	Assistant Warden	Ganga (Boys) & Porta Cabin-2	9620182339
8	Dr. Satish C. Kushwaha	Assistant Warden	Satluj (Boys)	8607840044
9	Ms. Sweeti	Caretaker	Kaveri (Girls) & Porta Cabin – 1	8826885920
10	Ms. GeetaRawat	Caretaker		91936 06328
11	Sh. Dhiraj Kumar Singh	Caretaker	Brahmaputra (Boys)	8222852400 8168002400

12	Sh. Anuj Kumar	Caretaker	Ganga (Boys) & Porta Cabin-2	7082178302
13	Sh. Amit Kumar	Caretaker	Satluj (Boys)	7082337158 9452523543

NIFTEM RESEARCH POLICY FOR RESEARCH PROJECTS

Considering the growing needs of the food sector and its various stakeholders, there are several areas which require undertaking of focused studies and R & D projects. Based upon the problems and needs of various stakeholders (such as producers, manufacturers, food processing industry, entrepreneurs, regulators, exporters, policy makers and the consumers), NIFTEM actively work and assist in knowledge sharing, setting up food standards and businesses incubation. Research Cell at NIFTEM initiate, participate and strengthen the research activities in areas relevant to Food Technology/ Entrepreneurship/Management and nurtures the research culture in students, scholars and faculties of NIFTEM.

NIFTEMs research policy aims to deliver innovation and technologies towards sustainable, healthy, safe and affordable food within the following key criteria and defined research areas which are continuously monitored and upgraded by expert panel [NIFTEM Research Development Council (comprising of Heads and Directors of eminent institutions) and NIFTEM Industry Forum (elite members from food processing industries).
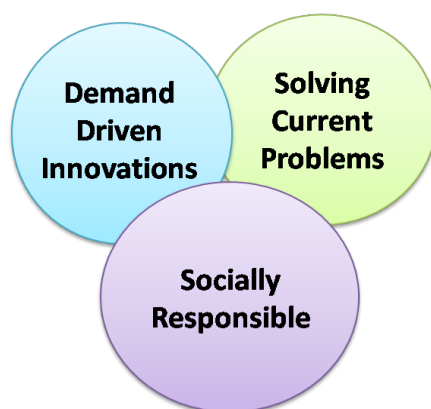
Thrust area of research at NIFTEM
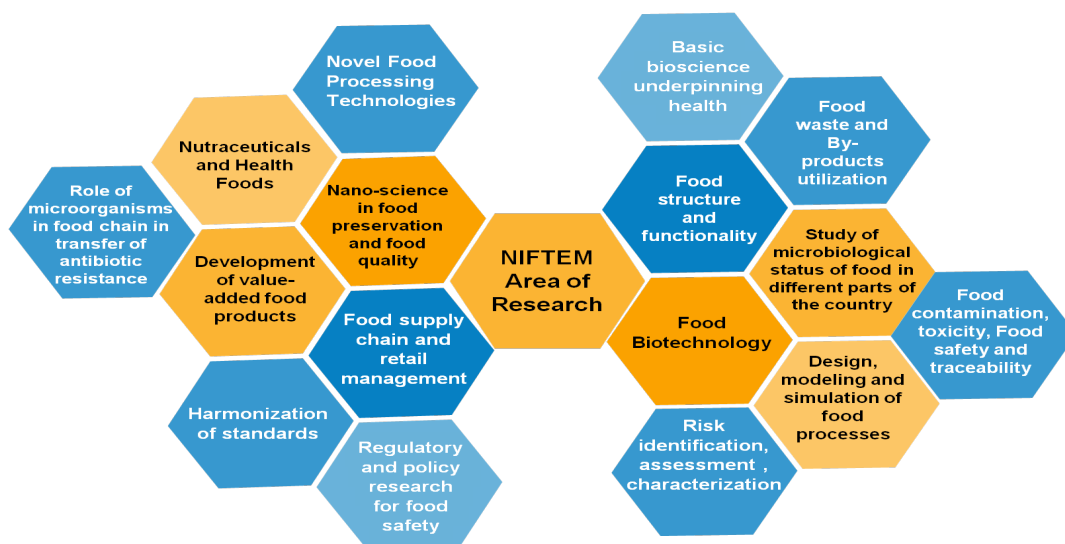
The research at NIFTEM is conducted at several levels.

I. RESEARCH AT ACADEMIC PROGRAMME

The first and foremost research is taken through different academic degree programmes conducted by NIFTEM. The students and scholars admitted to NIFTEM have to acquaint themselves with research process and get involved in innovative R&D projects related to food processing/ technology/ developing new equipment. For this, research component (laboratory/field/industrial) has been added to their coursework.

A). PH.D RESEARCH PROGRAMME

The scholars getting admitted to NIFTEM PhD programme (all five departments) have to mandatorily carry out research in upcoming areas of food and related sciences to fulfill the essential criteria of obtaining degree. NIFTEM provides fellowship and contingency support to its scholars as per the institutional guidelines while also encourage them to get fellowships from other agencies such as CSIR, UGC etc. In the research process, scholars are advised and encouraged to publish their research work in high quality peer reviewed journals as per the institutional and UGC guidelines.

B). M. TECH RESEARCH PROGRAMME

In order to cater the industrial problems and the issues related to food safety, short terms (6 months to 12 months) research projects are allotted to the students of M. Tech 2nd year as a part of their course curriculum. All M. Tech projects are internally funded by NIFTEM. To further inculcate

the research process, M. Tech students are encouraged to submit a status paper on various identified important issues of the sector so that such a source of authentic information can become useful for various stakeholders of the sector while working for nearly a year and a half under a faculty guide.

C) B. TECH RESEARCH PROGRAMME

Short term research projects are allotted to B. Tech students in groups of 3 to 5 students during their eighth semester as a part of the course curriculum. The research projects must primarily focus on industrial problems and the issues related to food safety. All B. Tech projects are internally funded by NIFTEM.

II. FUNDED PROJECTS

The research at NIFTEM is also carried through financial support whereby the exceptionally innovative and novel ideas of faculties and students are promoted.

A) INNOVATION FUND SCHEME FOR NIFTEM STUDENTS (M. TECH AND B. TECH)

The NIFTEM Innovation Fund Scheme (NIFS) aims to encourage the innovative research and development ideas of NIFTEM students (B.Tech/M. Tech/MBA) in the food processing and allied areas. The work should result into proof-of-concepts, design of equipment etc., thus having high societal and commercial impact and thereby helping in the growth of food processing industry. Some of the best and successful NIFS project may also get chance to support for IPR as per rules. The project funding (food processing and allied areas only) is up to Rs. 15 Lacs (or) as per the approval of the competent authority. The project is valid to up to 2 years (maximum).

B) INTERNALLY FUNDED RESEARCH PROJECTS

In order to facilitate research activities and motivate the faculty of NIFTEM, the internal funding to research projects is facilitated so that in-house faculty members could start research immediately. In pursuance of this decision, proposals are invited every year from in-house faculty members which are further scrutinized and discussed in detail. Under this scheme, projects worth Rs. 35 Lacs have been sanctioned.

C) EXTERNALLY FUNDED RESEARCH PROJECTS

Faculties are encouraged to undertake the research projects funded by external agencies such as Government of India, (MOFPI, DST, DBT, CSIR, DRDO, DAE etc.), State government, Private foundations, Industries or Trusts and International funding agencies. In Fiscal Year 22-23,

projects worth Rs. 358.69 Lacs have been sanctioned through different external agencies such as Ministry of Food Processing Industries (MOFPI), DST, RSAMB, NBB, NESTLE, Directorate of Sports, Govt of Kerela, WCD, Govt of Kerela etc.

III. CONTRACT RESEARCH ORGANIZATION (INDUSTRIAL COLLABORATIONS AND SPONSORED RESEARCH)

Based upon regular interactions with the industry and their feed back during the regular brainstorming sessions such as periodical meetings, conferences, webinars, industry-academia business to business (B2B) meetings etc., industry collaborative projects are undertaken that primarily focuses on the problems faced up by specific industry that aims to find a solution. In this regard, NIFTEM has established a Contract Research Organization (CRO) in 2020 with the vision, of finding strategies for industrial growth:

INNOVATION RESEARCH FUND FOR STUDENTS

- NIFTEM has conceptualized creation of an Innovation Fund for the students
- Innovative projects submitted by the students costing upto Rs.15.00 lakh are normal funded.
- Limit can be exceeded in case of highly deserving projects.

PERSPECTIVE

Research projects with industry are different from projects funded by government agencies or departments. NIFTEMs research policies and processes at centre will manage research contracts and grants within a framework of extensive and well-defined federal regulations. By contrast, industry sponsored research will be more flexible, and these contracts may need negotiations to balance the parties' interests.

MISSION

Our mission is to act as an effective Interface for translating the academic research and innovation to Industry while promoting and sustaining commercialization of Science and Technology in the Institute for mutual benefits.

OBJECTIVES OF THE INDUSTRIAL COLLABORATIONS

Collaborations involving academic institutions and industry partners will follow certain objectives

- **Complementing competences, knowledge and technologies to advance research and development.**
- **Obtaining access to resources that are available only from specific partners (NIFTEM**

will provide laboratories and pilot plant facilities while industries will provide machinery or necessary arrangements)

- **Broadening the scope of the innovation process.**

- **Exploiting existing intellectual property (IP) through inclusion of specific competences.**

- **Attaining critical mass to address complex projects.**

As stated, CRO at NIFTEM fosters an ecosystem of sustainable collaborative research with industries (including large and small, start-ups and non-profit organizations) and renowned academic and research institutes (nationally and internationally) that will promote "open innovation" research perspective for entrepreneurial development activities and technology related areas. The organization work at length to fulfill the finance management and administrative support, offer IPR protection for technologies developed and transferred, know-how and organize collaborative workshops to open gateways for future sustainable R&D initiatives. More than 35 industries have scouted and linked with CRO and till date, projects worth about Rs 30.53 Lacs have been taken up under CRO.

KEY ACHIEVEMENTS FROM NIFTEM'S RESEARCH (IN A NUTSHELL)

- 550+ SCOPUS listed publications with 30% publications in top 10% journals
- 5 patents have been granted and 7 have been filed.
- NIFTEM has obtained 1 trademark and 2 copyright
- With the help of sophisticated laboratories of NIFTEM [such as Central Instrumentation Lab, Food Technology Lab, Centre for Food Research and Analysis (NABL certified), Pilot Plants etc.], nearly 30 technologies have been developed and one technology has been transferred (Gluten Free Cookies).
- So far, NIFTEM has received more than 20 Cr research funding.

INNOVATION RESEARCH FUND FOR STUDENTS

- NIFTEM has conceptualized creation of an Innovation Fund for the students
- Innovative projects submitted by the students costing upto Rs.15.00 lakh are normal funded.
- Limit can be exceeded in case of highly deserving projects.

INDUSTRY INTERNSHIP FOR B.TECH, M.TECH AND MBA STUDENTS - 2022

The Corporate Resource Division (CRD) successfully completed the 2022 industry internship for the batch of B.Tech (2019-23), M.Tech (2021-23) and MBA (2021-23).

➢ The B.Tech students (total eligible & interested 132 Nos.) underwent industry internship for 4 to 6 months in 125 industries.

➢ Out of total 77 M.Tech students, 68 Nos. underwent industry internship for 4 to 6 months in 55 industries and 09 Nos. students opted for one year research project in NIFTEM.

➢ Total 29 students of MBA underwent industry internship for 2 months in 09 industries.

Industries who offered internship to B. Tech (2019-23) batch students:-

Sri Suriyaa vegetables and fruits farmer producer company ltd	Mondelez International	ITC
Tranzip Infolabs Private limited	International Flavors & Fragrances, Inc.	TATA SMART FOODZ
ProPlant Foods Pvt Ltd	Ashwamedh Engineers and Consultants	Mother Dairy
Hindustan Coca-Cola Beverages pvt.ltd	Jubilant Foodworks Ltd.	Hatsun Agro Product Ltd
CSDSE, Crop Queens	Oceanic foods ltd	Mother Dairy
Dukes	Meat products of India	Crust n crumb food ingredients pvt. Ltd
GeeCom India Services Private Ltd.	Defence Food Research Laboratory	LICIOUS
Mondelez	Dudhmansar Dairy (AMUL)	Tata Smartfoodz Limited
NDRI	NIFTEM	Anumeet Foods Pvt Ltd

NESTLE	ProMeat (ProPlants Foods Pvt Ltd)	Enrich Agro food products Pvt ltd
Synthite Industries Pvt. Ltd.	Lotte India	The Baker's Dozen
Mother dairy	Aroma Agro tech Pvt lmtd	Aroma Bakeries
The Bakers Dozen	Bikanervala Foods Pvt. Ltd	Jai Ingredients Pvt Ltd.
AAVIN (Thanjavur district cooperative milk producers union LTD)	Imperial malt	Hindustan coca cola Beverages Pvt.ltd
The Baker's Dozen	International Crop Research Institute of semi arid tropics	Amrutanjan
Goodrich Carbohydrates Ltd.	KEVA FLAVOURS	Hapup
Hp state cooperative milk producers federation limited	A M fisheries	PepsiCo India Holdings Private Ltd.
Britannia Industries Limited	Jagdamba Group	Mother dairy
Cremica Food Industries Ltd	Amrutanjan Fruitnik	Hatsun
Saarang International Food and Beverages Pvt Ltd.	CSIR- CFTRI	Hatsun Agro Product Ltd.
Maharani Pashu Ahaar	Hector beverages	Brindavan Agro Industries Limited(Coca Cola Plant)
NESTLE	Jodhpur Dairy	Indian Agricultural Research Institute (IARI), New Delhi
The baker's dozen	ITC ABD	Licious
Jayanti	Tender Leaf India Pvt. Ltd.	ITC-ABD
U FOODS PVT LTD	Britania industries limited	PepsiCo India Holdings Pvt Ltd
Lotte India	Mother Dairy Fruit & Vegetable Pvt. ltd	Mondelez International
CPF (India)Pvt Ltd.	Freeze Drying Systems Pvt. Ltd.	Hapup
Angel starch & food pvt	Ajanta DairyMilk & Foods	Globus Sprits

limited	Private Limited	
ITC ABD	The Baker's Dozen	ROYAL FOOD PRODUCTS MEZZA
Mondelez India Foods Pvt Ltd	Niftem	Zydus wellness
Urban Mandi	The Bakers Dozen	NetSCoFAN (fssai) NIFTEM
Jain Farm Fresh Foods Ltd.	Crust n crumb food ingredients pvt ltd	The Baker's Dozen
Aarya green fields Pvt. Ltd.	NuMix Industries Pvt Ltd	ITC ABD
Oceanic Foods limited	Parle Biscuits Pvt Ltd	Mondelez India Private limited, Baddi, Himachal Pradesh
Mondelez	Vahdam India	Mondelez India Foods Private Limited
M/s Bhagwati Foods A/c to Britannia Industries Ltd	Hindustan Coca Cola Beverage pvt.ltd	Licious
Continental Milkose (India) Ltd.	Body scans	Yum! Restaurants
Palladium Consulting India Pvt. Ltd	Mondelez International	Crust n crumb food ingredients pvt limited
Dr Oetker India Pvt. Ltd.	Zydus Wellness Products Ltd.	Dabur India Pvt Ltd
ITC Agribusiness Division	Udaipur Dugdh Utpadak Sahakari Sangh Limited	Mondelez India Foods Pvt. Ltd.
Raptakos Brett and Co. Ltd	Oceanic food limited	Parle Biscuits Pvt Ltd
Continental Milkose (India) Ltd.	CPF (India) Pvt Ltd.	Palladium India
Angel Starch foods pvt.lmt	GeeCom India	Mondelez International
NIFTEM	ITC-ABD	ITC Limited, Foods Division Ranjangaon Unit

ITC FOODS	The Baker's Dozen	ITC Limited
Mondelez international	ITC	Jubilant Foodworks

Industries who offered internship to M. Tech (2021-23) batch students:-

Firmroots	Diageo	ITC Limited
Superior industries	Vahdam	Symega foods
Udyogini	Danone	ICAR Karnal
Queen Crops	Chitale Bandhu	Lentilo nutrition
SREI Infrastructure	Dabur	Tata consumer products
Food buddies	Britannia	Bhavnagri Foods
central plantation crops research institute	Licious	Diageo
Vinayak beverages	ITC ABD	Licious
GeeCom	National Research Centre for onions	United Foods
Chitale Bandhu	NEERI	Britannia
Udyogini	Diageo	Kailash Agro
GeeCom	Cashew Export Promotion Council of India (CEPCI)	Dukes
Bakery pilot plant	Bhanu Farms	Urban Mandi
Bhanu Farms	GeeCom	Bhavnagri Foods
Kailash Agro	Freshcore provisions private limited	Licious
ABC Foods	Numix Industries Pvt. Ltd.	Good Dot
Aayushamay	GoodDot	Stonefield beverages
SREI Infrastructure Pvt. Ltd.	United Foods	AFS Ingredients
Hindustan Foods	Bhanu Farms	AFS Ingredients
Gati	vinayak beverages	Wilmar international

| Bhanu Farms | ITC ABD | United Foods |

Industries who offered internship to MBA (2021-23) batch students:-

BTW Group of Companies	NCDC	Dwara Trust
NABARD	FICCI	TGI Group
DoMyRepair	MABIF	Emergent Gateway
Geecom	Flipkart	Heritage Foods
Queen Crops	Mc Cain	GEA Westfalia
Vigar Enterprises Pvt Ltd		

PLACEMENT FOR B.TECH, M.TECH AND MBA STUDENTS – 2022-23

Multiple unique advantages have been observed viz: on automated platform very first time. At least 5 companies viz Diversey, Rail Connect, Drishti park, Big Basket, AgNext, Barmalt turned to the campus twice to conduct placement selection process. IT and AI based opportunities were floated as skills were on high demand. At least 10 new companies vis AAK, AgNext, Coca-Cola, Innova Market insight, Frazoo, MARS, Zydus, Zomato etc. have been added. More than 5 companies vis Infosys, Diversey, TCS, IBM, BYJU's have approached and conducted selection for bulk hiring. NIFTEM has not opted any offer below Rs. 4.00 LPA CTC. Maximum package went for Rs.18.00 LPA CTC (Self-arranged) to an experienced candidate from MBA. Year Back students were also given opportunities.

During session 2022-23, all aspirants from the batches (B.Tech, M.Tech and MBA) are placed satisfactorily except few exceptional. CRD has given fullest opportunities to each interested & eligible passed outs students of 2022 batch.

Some of highlights of the Placement:

❖ Overall 93.66% students placed.

❖ The highest package for B.Tech was offered by Mondelez International @ Rs.10.00 lacs/annum, whereas average CTC was offered Rs.5.36 lacs/annum.

- For M.Tech students, highest package for FPEM, FTM & FSCM was Rs.8.00 lacs/annum, whereas for FSQM it was Rs.7.00 lacs & for FPOM it was Rs.7.09 lacs per annum. Average CTC for M.Tech students was Rs.4.91 lacs/annum.

- One of the MBA student got offer of Rs.18.00 lacs/annum by Vendimen. Average CTC for MBA was Rs.5.98 lacs/annum.

- Overall 84% B.Tech, 97% M.Tech and 100% MBA students were selected by the visiting companies/industries with overall 93.66% placement for the year 2022-23.

- There was 100% placement of MBA and M. Tech also got 100% placement in its stream FPEM, FSQM, FTM, FSCM except FPOM which was 88%.

- About 24% of B.Tech students opted for higher studies whereas 14% students of M.Tech opted higher studies.

GENERAL ADMISSION INFORMATION

ATTENTION: Aspirants must read this section before referring to the programme of interest and filling up the online application form.

1. Application fee: Each candidate has to deposit application fee (non-refundable) as per following:

Application Fee (Non-Refundable)

	Fee (Rs)
SC/ ST/PwD	500
General and other categories	1000

2. Reservation for Indian Nationals: The number of seats in each of the programs in NIFTEM, as announced in this admission guideline, shall be strictly adhered to, except for such minor adjustment as may be necessary on account of rounding off of fractions to accommodate reservations, as given below:

(a) 27% reservation to Other Backward Class **(from non-creamy layer and with a valid certificate indicating eligibility for admission to central government institutions only. Please refer to Annexure-I & II at the end of this brochure for Undertaking and format of certificate for claiming reservation under this category).**

(b) 15% for candidates belonging to the Scheduled Castes.

(c) 7.5% for candidates belonging to the Scheduled Tribes.

(d) 10% seats for Economically Weaker Sections **(Please refer to Annexure –III for format of certificate for claiming the reservation). F**urther, 5% seats are reserved (horizontal reservation)

for Persons with Disabilities (PWD) candidates in each categories.

3. The PWD should have a minimum of 40% disability, provided that the claimant in this category is otherwise capable to pursue the course for which the admission is sought. All physically challenged persons should produce a certificate of their permanent physical disability from a CMO/Civil Surgeon of a District or Director/Principal or a Professor of a Medical College affiliated to University or an institution of national importance.

4. The M. Tech entrance test for Non-GATE candidates, MBA entrance test for non CAT/MAT candidates and PhD entrance test (RET) will take place at NIFTEM Campus, Kundli, District – Sonepat, only. There would be no other centre within or outside the country. Entrance examination will conducted ofline mode only at NIFTEM campus as per notification as uploaded on NIFTEM website. The candidates must see website regularly for further details.

5. Application forms for admission in B.Tech, M. Tech, MBA and PhD Programmes of NIFTEM are to be filled online only. Applicants should not send the printed copy of application form and carry it at the time of counselling. Admission brochure/guidelines are available on the website.

6. Final merit list, counseling schedule would be uploaded on the institute website only. For such information/updates, the website should be visited frequently. It may be noted that no postal communication will be made to any applicant in this regard.

7. Once the merit list is uploaded on website, it will be responsibility of candidate to complete whole process including submission of fee during given time period. The candidate must ensure that fee submission is complete. Institute will not be responsible for any delay/hurdle in transaction process.

8. However, in interest of the applicants NIFTEM also attempts to send SMS and email alerts on the numbers and mail ID provided in the application forms. Onus of any delivery failure in this regard would depend on the applicant. The entries of mail ID and mobile numbers in the application form must be made correctly with utmost care.

9. Under unavoidable circumstances, any prescheduled event/activity given as admission timeline in the brochure may be changed. All such official notifications including merit notification and

change in date, if any, will be made on the NIFTEM website only.

IMPORTANT NOTE

Candidates failing in production of Category/ Physically Challenged certificate during the counseling will be considered as GENERAL and will automatically lose his/her claim of due reservation.

(a) The caste certificate should be in the name of the candidate seeking admission. The caste certificate in the name of either of parents (Father/Mother/Husband) is not acceptable. The name and other particulars in the caste certificate should be identical to that in Application form as well as in the 10th and 12th class certificates. Any variation in the name or other particulars in reserved category certificate may lead to refusal for admission by Admission Cell in the reserved category.

(b) In the absence of caste certificate, the candidate will not be entitled for any provisional admission in reserved category on the basis of any undertaking.

(c) In the absence of mandatory documents of proof for eligibility, the candidates will not be allowed for admission to the programmes. The admission offered to a candidate who has been provisionally admitted to a program will stand cancelled if he/she does not submit the relevant documents in original pertaining to admission (such as Marks Sheet, Date of Birth Certificate etc.) in the Academic Cell before the stipulated date.

(d) Admission of various programmes will be subject to verification of facts as in the original certificates/ documents of the candidates. In case any discrepancy is noticed, even at a later point of time after, the NIFTEM reserves all rights to cancel the admission and such a decision shall be final and binding on the candidate(s).

(e) It is the responsibility of the candidates to ascertain whether they possess requisite qualification for admission.

(f) If the candidate(s) furnish the mark sheets of the qualifying examination only in GRADES, the minimum marks pertaining to the grade obtained in the course will be taken into consideration while determining the marks.

Document upload: Candidate needs to upload the following documents while filling Application Form.

S.N.	For B.Tech	For M.Tech	For MBA	For Ph.D

1	Class X & XII Marksheet & Certificate	Class X & XII Marksheet & Certificate	Class X & XII Marksheet & Certificate	Class X & XII Marksheet & Certificate
2	All India JEE Score Card	Graduaction Marksheet & Certificate	Graduaction Marksheet & Certificate	Graduaction & Post Graduaction Marksheet & Certificate
3	JoSAA/CSAB Seat Allotment Letter	GATE Score Card if applicable	CAT/MAT Score Card if applicable	NET-JRF Certificate, if applicable
4	Caste Certificate, if applicable, OBC-NCL & EWS Certificate must have been issued as on 01.04.2022 onwards	Caste Certificate, if applicable, OBC	NCL & EWS Certificate must have been issued as on 01.04.2022 onwards	Caste Certificate, if applicable, OBC-NCL & EWS Certificate must have been issued as on 01.04.2022 onwards
5	PwD Certificate if applicable	PwD Certificate if applicable	PwD Certificate if applicable	PwD Certificate if applicable
6	Transfer cum Character Certificate	Transfer cum Character Certificate	Transfer cum Character Certificate	Transfer cum Character Certificate
7	-	-	-	For Part time PhD, copy of NOC from and approval of the Leave from Employer (applicable for Govt. employees)
8	Migration Certificate	Migration Certificate	Migration Certificate	Migration Certificate
9	Anti-Ragging Proforma by parents and student	Anti-Ragging Proforma by parents and student	Anti-Ragging Proforma by parents and student	Anti-Ragging Proforma by parents and student
10	Medical Fitness	Medical Fitness	Medical Fitness	Medical Fitness

	Certificate	Certificate	Certificate	Certificate
11	Self Declaration	Self Declaration	Self Declaration	Self Declaration
12	-	-	-	1. Statement of Purpose (SoP)* 2. Research Proposal*
13	Passport size coloured photographs (04)	Passport size coloured photographs (04)	Passport size coloured photographs (04)	Passport size coloured photographs (04)

* Ph.D applicants of FBM&ED Department needs to submit at the time of Interview.

- Passport size coloured photographs (04)

ADMISSION GUIDELINES B.TECH, M.TECH, MBA AND Ph.D. PROGRAMME

B.TECH PROGAMME

National Institute of Food Technology Entrepreneurship and Management (NIFTEM) offers a unique Under Graduate programme, B. Tech. in Food Technology and Management (FTM). Specific guidelines for admission to this programme for the academic session 2023- 24 are appended below:

ELIGIBILITY CRITERIA:
Candidates are advised to refer to JEE (Main)-2023 website. The eligibility conditions of JEE (Main) -2023 will be applicable.

ADMISSION PROCEDURE:
Admission will be done through JEE (Main) – 2023. Eligible candidates will fill the application form of JEE (Main) – 2023. Subsequently counseling will be done by JoSAA/CSAB-2023. All candidates are advised to refer to website of JEE (Main) – 2023 (www.jeemain.nic.in) and CSAB - 2023/JoSAA-2023 website for further details.

Note: In case seats from JoSAA/CSAB remains vacant, Institute may fill those seats through own counseling. The eligibility conditions and other relevant rules will be communicated on institute website after JoSAA/CSAB counseling is over.

NUMBER OF SEATS:

For Indian Nationals: 200 (all reservation as per Government of India norms).

The Seat Matrix (Indian Nationals) for B. Tech (Food Technology and Management) as per approval of AICTE admission is shown below:

CATEGORY	OPEN	OBC-NCL	SC	ST	EWS	TOTAL
NO. OF SEATS	78	52	29	15	19	193
PWD SEATS	3	2	1	0	1	7
	81	54	30	15	20	200

In addition to the guidelines provided above, all applicants must also refer to the Admission Brochure 2023-24.

M.TECH PROGRAMME

ELIGIBILITY CRITERIA FOR M.TECH

Four Years Bachelor's Degree or a Master's degree in relevant discipline with minimum 60% marks in aggregate. A relaxation of 5% of marks shall be allowed for the candidates belonging to reserved category.

S.N.	Programme	Minimum Qualification
1	**M.Tech in Food Technology Management (FTM)**	B. E./B. Tech./B.Sc. (4 Year) in Food Science / Food Science & Technology/ Food Technology and Management / Food Technology / Food Process Engineering/ Food Engineering / Dairy Engineering / Dairy Technology/ Agricultural & Food Engineering/Agricultural Engineering/ Agricultural Process Engineering/Dairy and Food Engineering/Chemical Engineering/Biochemical Engineering OR M.Sc. Degree in Food Technology/ Food Science & Technology/ Food Science/ Dairy Technology/ Food Science and Nutrition/ Clinical Nutrition and Dietetics/ Meat Science/ Meat Technology/ Animal Product Technology/ Live Stock Product Technology/ from a recognized University/Institute. Applicants with M.Sc. Degree may be asked to register for deficiency course(s) as per the curriculum
2	**M. Tech. in Food Process Engineering and Management (FPEM)**	B.E./ B.Tech. degree in Food Science & Technology / Food Technology and Management/Food Technology/ Food Process Engineering/ Food Engineering/ Dairy Engineering / Dairy Technology/ Agricultural Process Engineering/ Agricultural & Food Engineering / Agricultural Engineering / Bio-Chemical Engineering/ Chemical Engineering/ Mechanical Engineering or in related allied field from a recognized University/ Institute OR in related allied field from a recognized University/Institute. Deficiency courses would be offered to the applicants with above prescribed

		non-food degrees.
3	**M. Tech. in Food Plant Operations Management (FPOM)**	B.E./ B.Tech. degree in Food Science/ Food Science & Technology / Food Technology and Management/Food Technology/ Food Process Engineering/ Food Engineering/ Dairy Engineering / Dairy Technology/ Agricultural Process Engineering/Agricultural & Food Engineering/Agricultural Engineering/ Mechanical Engineering/Bio-Chemical Engineering/Chemical Engineering from a recognized University/Institute OR M.Sc. in Food Science/ Food Technology/ Food Science and Technology OR in related allied field from a recognized University/Institute. Deficiency courses would be offered to the applicants with above prescribed non-food degrees/ M.Sc.
4	**M. Tech. in Food Safety Quality Management (FSQM)**	B.E./ B.Tech. degree in Food Science/ Food Science and Technology/Food Technology and Management/Food Technology/ Dairy Technology/ Dairy and Food Technology/ Agricultural Process Engineering/ Agricultural and Food Engineering/ Bio-Chemical Engineering/Chemical Engineering OR M.Sc. degree in Food Technology / Food Science and Technology / Food Microbiology from a recognized University/ Institute OR in related allied field from a recognized University/Institute. Applicants with M.Sc. Degree may be asked to register for deficiency

5	**M. Tech. in Food Supply Chain Management** **(FSCM)**	B.E./B.Tech. degree in Food Science /Food Science and Technology/ Food Technology and Management/ Food Technology/ Food Engineering/ Process and Food Engineering/ Dairy & Food Technology /Dairy & Food Engineering /Dairy Technology/ Biotechnology /Agricultural and Food Engineering/ Four years Bachelor's degree in Agriculture/Horticulture/and allied Disciplines **OR** Two years Master's degree in Horticulture/Vegetable/ Fruit Sciences /Post Harvest Technology/ Postharvest Management/Cold Chain Management OR M.Sc. in Post-Harvest Technology/Food Science/Food Technology/Food Science and Technology/Food Science and Nutrition OR Master's degree or equivalent in Agribusiness Management from recognized University /Institute OR in related allied field from a recognized University/Institute

NUMBER OF SEATS

For Indian Nationals: 20 in each M. Tech. programme. Seat Matrix indicating reservation under different categories are as follows:-

		GEN 40.5%		OBC-NCL (27%)		SC (15%)		ST (7.5%)		EWS (10%)		Total seats
	Seats distribution	(8.1) ~ 8 seats		(5.4) ~ 5 seats		3 seats		(1.5) ~ 2seats		2 seats		20
S.No	M.TECH PROGRAMME	Regular Mode	Self Fin Mode	Regular Mode	Self Fin Mode	Regular Mode	Self Fin Mode	Regular Mode	Self Fin Mode	Regular Mode	Self Fin Mode	Total seats
1	FPEM	6	2	4	1	2	1	1	1	1	1	20
2	FPOM	6	2	4	1	2	1	1	1	1	1	20
3	FSCM	6	2	4	1	2	1	1	1	1	1	20
4	FSQM	6	2	4	1	2	1	1	1	1	1	20
5	FTM	6	2	4	1	2	1	1	1	1	1	20
		40		25		15		10		10		100

- In total 5% reservation (horigental) shall apply for candidate with physically challenge
- Disability/ Physically challenged (PC) as per Govt. of India norms (minimum 40% disability).

- Attested copy of the certificate from district CMO must be furnished. Such candidate must satisfy the eligibility requirements for admission.

Due reservation and concessions would be given to Kashmiri migrants as per Government of India Norms, provided, they mention their category in application form.

SELECTION PROCESS

The Admission to M. Tech programme will be based on valid GATE (Graduate Aptitude Test for Engineering) score. Merit list will be prepared based on valid GATE score only. The merit list will be displayed on the NIFTEM website. In case two candidates will have same GATE score then the bachelor degree marks will be considered for the merit list preparation for those candidates.

After the admission of eligible GATE qualified candidates, the remaining seats, if any, will be filled by Non-GATE candidates. The Non-GATE candidates would require to qualify the common entrance exam to be conducted by NIFTEM at NIFTEM Campus Kundli/ OR *Online. There will be no other exam centre than NIFTEM Kundli in case of offline mode. The Non-GATE applicants' common entrance exam shall not be conducted, if all seats have been filled by GATE candidates. In that case, the claim for refund of application fee shall not be entertained.

PATTERN OF ENTRANCE TEST

The written test for Non-GATE candidates shall consist of hundred (100) multiple choice questions of one mark each, there shall be negative marking and for each wrong answer 0.25 marks will be deducted. The duration of the test will be one hour and thirty minutes. The test shall consist of two parts.

Part-A shall contain thirty (30) questions to test the Mental Ability, English and General Knowledge. Part-B shall contain seventy (70) questions to test candidates' knowledge base in their eligibility areas. Due to varied nature of eligibility areas, Part-B shall consist of five sections as given below and candidates may attempt any one of them. Broad description of each section under Part-B is given below:-

The broad subject areas under Part-B are given below:-

Part I	Food Science & Technology, Food Engineering, Dairy Technology, Foods and Nutrition
Part II	Food Engineering, Agricultural Process Engineering, Bio Chemical Engineering, Chemical Engineering, Mechanical Engineering
Part III	Food Business Management and Entrepreneurship
Part IV	Food Science & Technology, Foods and Nutrition, Biotechnology, Microbiology, Biochemistry
Part V	Agriculture, Environmental Science, Food Science & Technology

Note: 1. The applicant has to provide the department admission preference during the submission of online application carefully. Any change in the order of preference will be permitted after submission of the application.

2. Course preferences will be upgraded automatically as per the availability of seat during counseling.

3. Registration fee for admission is not refundable.

4. In case of seat withdrawn before closing of admissions, admission fee refund will be made as per the NIFTEM policy guidelines.

MBA PROGRAMME

NIFTEM offers two year, full time MBA Degree Programme in Food and Agribusiness Management to fulfill the industry demands. The details are of MBA Admission process are mentioned below:

ELIGIBILITY CRITERIA FOR MBA

The eligibility criteria for admission to MBA Programme is Bachelor's degree, or equivalent, in relevant discipline, with minimum 50% aggregate marks (45% in the case of SC/ST), or equivalent CGPA.

ADMISSION CRITERIA

As per the past practice, NIFTEM shall admit MBA candidates by a two stage process:

(a) Short listing of eligible applicants through CAT/MAT/CMAT/NIFTEM Entrance Test.

(b) GD/PI of shortlisted candidates to be conducted at NIFTEM. The MBA candidates who are not shortlisted (as per the decision of Scrutiny and short listing committee to be proposed by HoD-FBM) based on their CAT/MAT/CMAT score would be allowed to appear in MBA entrance test.

Final Merit list of candidates would be prepared on the basis of performance of candidate in GD/PI, past academic records and relevant work experience. MBA counseling process shall start with the declaration of list of qualified candidates.

As per past practices, Candidates appear physically for entrance test, however, this time entrance test may be conducted offline mode only at NIFTEM K campus only. Further, GD/PI of shortlisted candidates also may be conducted offline at NIFTEM –k campus only.

NO. OF SEATS

Currently there are 60 seats available in the programme. Seat Matrix indicating reservation under different categories as per Govt. of India norms are as follows.

MBA Regular Mode

Category	GEN	OBC-NCL	SC	ST	EWS	Total
No. of Seats	12	8	5	2	3	30

MBA Self financing Mode

Category	GEN	OBC-NCL	SC	ST	EWS	Total
No. of Seats	12	8	5	2	3	30

SELECTION PROCESS

The selection procedure to MBA Programme is based on last two years' valid score of CAT/MAT/CMAT and an Internal- Test for Non-CAT/MAT/CMAT category applicants (including those not shortlisted through CAT/MAT/CMAT). The final selection of shortlisted candidates will be made on the basis of GD/PI, past academic performance and work experience.

PATTERN OF ENTRANCE/ INTERNAL-TEST

The written test of 90 minutes conducted for Non-CAT/MAT/CMAT category applicants ((including those not shortlisted through CAT/MAT/CMAT) shall consist of fifty (50) objective type questions of 2 marks each. There will be no negative marking for wrong answer(s). The question paper would consist of three sections as given below:

Section(s)	No. of Question	Marks
Section-1: Logical Reasoning/ Data Interpretation	15	30
Section-2: Quantitative Analysis	15	30
Section-3: Verbal Ability / Reading Comprehension	20	40

Total	50	100

PH.D. PROGRAMME

NIFTEM is offering Ph.D. programmes in the following departments and areas in the academic year 2023-24.

- **Agriculture and Environmental Sciences (AES)**
- **Basic and Applied Sciences (BAS)**
- **Food Business Management and Entrepreneurship Development (FBMED)**
- **Food Engineering (FE)**
- **Food Science and Technology (FST)**

AREAS OF RESEARCH:

a) Agriculture and Environmental Sciences: Postharvest management, Postharvest physiology and processing of fruits and vegetables, Postharvest engineering, Design and development of post-harvest processing equipment and machines, Heat recovery and process integration, Energy saving technologies and Renewable energy applications, Supply chain management of fresh Agri-horti produce, Agriculture Extension, Food microbiology, Biomass utilization for nutraceuticals and food applications, Bioremediation, Postharvest biotic and abiotic stress management, Environmental issues in food sector, Food contaminants, Carbon and water footprint, Life cycle assessment of food products, Utilization of food sector organic waste, Impact of climate change on postharvest quality of agri-horti commodities, Agro-waste bioprocessing, Nanobiotechnology applications in food sector, Nano-biocatalytic degradation of emerging pollutants and agrichemicals, Biochemical Engineering, Enzyme engineering and Technology.

b) Basic and Applied Sciences: Experimental Physics, Nanomaterials for Biosensors and Sustainable Energy Applications, Mathematical Modelling in Biology and Infectious Disease, Stochastic Modelling, Queuing Theory, Artificial Intelligence, Computational Modelling, Nano-encapsulation, Biopolymers, Food Packaging, Edible Films and Coatings, Prebiotics and Probiotics, Mineral Fortification, Chemical Contaminants in Food.

c) Food Business Management and Entrepreneurship Development: Food & Agribusiness, Entrepreneurship & Strategy, Operations & Decision Sciences, Finance, Accounting & Economics, Marketing and Organization Behavior & Human Resources.

d) Food Engineering: Sustainable food processing technologies, Bio waste utilization, New product development, Drying Technologies, 3D Food Printing, Novel Food Processing technologies, Millet processing, Food Engineering, Novel Food Processing technologies, Plant based proteins, Hydrogels, Liposomes application in food, Bioactive compounds from food sources.

e) Food Science and Technology: Food Technology, Waste Utilization, Value addition, New Product Development, Food Safety and Toxicity evaluation, in vitro and in vivo Toxicity and Safety studies of developed food/food ingredient, Risk Assessment of various contaminants/toxicants in food/Bio- availability & ADME studies, in vitro and in vivo digestibility studies, Safety/Migration studies of packaging material/components, Nutraceuticals & Functional foods, Clinical Nutrition, Dietetics, Nutritional Biochemistry, , Food designing, Food Fortification, Community Nutrition and Public Health Nutrition.

ELIGIBILITY CRITERIA:

Eligibility Criteria: M. Tech. /Master's Degree in a relevant discipline with at least 55% marks with a relaxation of 5% of marks (from 55 % to 50 %) for the candidates belonging to SC/ST/OBC(Non-Creamy layers)/ Differently-abled category.

Candidates can apply in multiple academic departments, separate applications for each department will be considered.

Department	Essential Qualification
Agriculture and Environment Sciences **(AES)**	M. Tech. in Food Science/Food Technology/ Food Technology and Management/Food Safety and Quality Management/ Food Process Engineering and Management/ Food Supply Chain Management/ Biotechnology/ Biochemical Engineering/ Nanotechnology/ Post Harvest Technology/Food Engineering / Process and Food Engineering / Environmental Engineering/ Environmental Management and allied Disciplines **OR** M.Sc. Degree in Food Science & Technology/ Food and Nutrition/ Biochemistry/ Microbiology/ Biotechnology/ Life Sciences/ Agriculture Science/ Horticulture/ Postharvest Management/ Postharvest Technology/ Cold Chain Management/ Environmental Sciences and allied areas from recognized Institute/University.

Department	Essential Qualification
Basic and Applied Sciences **(BAS)**	M. Tech. in Food Science/ Food Technology and Management/ Food Technology/ Dairy and Food Technology/ Process Engineering and Management/ Food Biotechnology/ Food Safety and Quality Management/ Food Supply Chain Management from a recognized University / Institute. In addition, or Master's degree in Food Science and Technology/ Biochemistry /Microbiology/ Chemistry/ Biotechnology/ Food biotechnology/ Food and nutrition/ Life Science/ Agriculture Science/ Environmental Science/ Mathematics/ Statistics/ Operational Research/ Physics/ Materials Science/ Nanoscience and Technology from a

	recognized Institute/ University.

Food Business Management and Entrepreneurship Development **(FBM) &ED**	Two year MBA /M.Com/MA/ M.Tech (Plant Operations/ Industrial Engineering or its equivalent from a recognized university or institute or CA/CS/ICWA.

Food Engineering **(FE)**	M.Tech in / Food Technology and Management / Food Process Engineering and Management/ Food Technology/ Food Process Engineering/ Food Engineering / Dairy Engineering/ Dairy technology /Agriculture and Food Engineering/ Mechanical Engineering/ Automation & Robotics engineering / Chemical Engineering / Biochemical Engineering/ Food and Bio Process Engg. / Dairy and Food Engg./Post Harvest Process and Food Engg. and Management/Food Technology and Management/Farm machinery and Power Engg.

Food Science and Technology **(FST)**	M.Tech. Food Science / Food Technology and Management / Food Safety and Quality Management / Food Supply Chain Management/ Food Technology / Food Process Engineering / Food Process Engineering and Management/ Food Engineering / Dairy Engineering / Dairy Technology / Agriculture Process Engineering / Agriculture & Food Engineering/ Food Biotech/ Food and Fermentation/M-Tech. in Food and Bioprocess Engineering, Process and Food Engineering, Nanoscience and Technology/ Biochemical Engineering from a recognized university /institute. In addition, M.Sc./Master's degree in Food Technology / Food Science & Technology / Nutritional biochemistry/ Food Science & Nutrition / Clinical Nutrition/Community sciences and Dietetics/Toxicology/ Vet.Pharmacology & Toxicology/ Nanotechnology/ Nanoscience and Technology/ Meat Science/ Meat Technology/ Animal Product Technology/ Livestock Product Technology are eligible for admission. Candidates may be required to go deficiency courses as per requirement.

SELECTION & MODE OF PROGRAMME

UGC/UGC-CSIR JRF, any other JRF holders who can avail fellowship for PhD programme at NIFTEM shall be exempted from Research Entrance Test (RET). All other candidates (even opting for Part-Time mode) will have to appear for RET.

RET syllabus and Interview

As per entrance paper choice, the syllabus of the **Research Entrance Test (RET)** shall consist of 50% of research methodology and 50% shall be subject specific. **There shall be NO Negative Marking for Wrong Answer.** Syllabus for the entrance exam will be uploaded on NIFTEM website.

RET shall be qualifying with qualifying marks as 50%. A relaxation of 5% of marks (from 50% to 45%) shall be allowed for the candidates belonging to SC/ST/OBC (Non-Creamy layers)/Differently-abled category in the Research Entrance Test conducted by the Institute.

RET and Interview to be conducted by NIFTEM (Details to be uploaded on NIFTEM website).

Interview scheme: Both JRF and RET qualified candidates will appear for an interview/presentation where the candidates would be required to present their research areas/interest before the interview panel. For selection of candidates, a weightage of 70% to RET and 30% to the performance in the interview/viva-voce shall be given." Candidates holding fellowship appearing directly for interview, marks obtained out of 30 to be first converted to 100 and then normalization of scores (for both type of candidates, i.e., fellowship holders and non-fellowship holders) will be done before preparing the final merit list. Separate department-wise (subject specific) merit lists will be prepared.

After the reporting at NIFTEM by the candidate, if any vacant seats are available due to seat cancellation/withdrawal/Fee unpaid etc. it may be offered to the next student in the merit list in the respective reservation category only.

JRF/SRF candidates already working in the funded projects at NIFTEM can be enrolled as Ph.D. students provided they qualify RET and interview. Such candidates will get fellowship/JRF till the end of their research project. After the project is finished, such candidates will get NIFTEM Ph.D. fellowship, provided he/she has secured NIFTEM Ph.D. fellowship at the time of admission as well as it will be as per NIFTEM Ph.D. regulations.

Relieving letter/Permission from parent institute is essential for pursuing Ph.D in Part-time mode and leave granted shall be required with the application process.

DEPARTMENT WISE PH.D SEAT MATRIX, 2023-24

Department	No. of seats

	UR	SC	ST	OBC	EWS	Total
Agriculture and Environmental Sciences (AES)	6	2	1	4	1	14
Basic and Applied Sciences (BAS)	3	2	1	2	1	09
Food Business Management and Entrepreneurship Development (FBM&ED)	4	1	-	2	1	08
Food Engineering (FE)	3	2	-	3	1	09
Food Science and Technology (FST)	6	2	1	3	1	13

SEAT MATRIX AND FELLOWSHIP

Total number of Ph.D. Seats for the academic session 2023-24 are given in the NIFTEM website under "**Department wise PhD Seat Matrix 2023-24**." The following seat matrix is placed for two departments is as below:

Department	Area of Research	Number of seats
FBMED	Food & Agri Business	1
	Entrepreneurship and Strategy	1
	Operations & Decision Sciences	04
	Finance, Accounting & Economics	1
	Marketing	1

Department	Area of Research	Number of seats
	Experimental Physics, Nanomaterials for Biosensors and Sustainable Energy Applications	1
	Mathematical Modelling in Biology and Infectious Disease	4

	Stochastic Modelling, Queuing Theory, Artificial Intelligence, Computational Modelling	1
BAS	Nano-encapsulation, Biopolymers, Food Packaging, Edible Films and Coatings	2
	Prebiotics and Probiotics, Mineral Fortification, Chemical Contaminants in Food	1

FELLOWSHIPS

Only 03 candidates per department will get NIFTEM Ph.D. fellowship based on merit for the year 2023-24. Fellowship would be extended beyond 3rd year as per NIFTEM Ph.D. regulations.

Candidates who will be pursuing in part time mode and sponsored candidates will NOT get any NIFTEM Ph.D. fellowship.

UG marks	PG marks	Fellowship	Publications	Interview
2	3	8	2	15
(Proportionate to 100%)	(Proportionate to 100%)	(to be given to student if he/she possesses any kind of fellowship as mentioned above to pursue Ph.D.)	(Each SCI journal paper to have 1 mark subject to max. of 2 marks)	(Based on Student's scientific & research ability in particular area of research)

Reservations matrix

Reservation rules will be applicable as per Govt. of India regulation (as per 200 point roster) and the reservation matrix for the academic year 2023-24 in PhD admission is placed below:

FEE STRUCTURE

B.TECH PROGRAMME – 2023-24			
PARTICULARS	**CATEGORY**		
	OPEN/ OBC-NCL/ /GEN-EWS	**SC/SC-PwD/ST/ST-PwD/Open-PwD/ OBC-NCL-PwD/ GEN-EWS-PwD/ Graded TFW (Parents income less than 1 lakh)**	**Graded TFW (Family income 1-5 lakh)2/3rd Tuition Fee Waiver**
TUTITION FEE	51650	0	17217
ENROLMENT & REGISTRATION CHARGES	5000	5000	5000
LABORATORY CHARGES	4000	4000	4000
LIBRARY CHARGES	3000	3000	3000
INSTITUTIONAL DEVELOPMENT FUND	8000	8000	8000
EXAMINATION CHARGES	3000	3000	3000
OUTREACH ACTIVITIES	3000	3000	3000
STUDENT ACTIVITY CHARGES	2300	2300	2300
MEDICAL CHARGES (INDLUDING MEDICAL INSURANCE)	2000	2000	2000
AMENITIES	500	500	500
HOSTEL ROOM RENT INCLUDING ELECTRICITY, IT, WATER CHARGES	6000	6000	6000
ONE TIME CHARGES – 1. SECURITY DEPOSIT (REFUNDABLE) FOR INSTITUTION, LIBRARY & MESS	15000	15000	15000
ONE TIME CHARGES - 2. CHARGES FOR ALUMNI MEMBERSHIP& IDENTITYCARD	11650	11650	11650
TOTAL 1ST SEMESTER FEE	**115100**	**63450**	**80,667**

Note: Mess charges- 18,900/advance is payable per semester, which is variable, andhas to be paid at the time of joining to Hostel.

PARTICULARS	MBA PROGRAMME – 2023-24		
	CATEGORY/REGULAR		SELF FINANCING
	OPEN/ OBC-NCL/ /GEN-EWS	SC/SC-PwD/ST/ST-PwD/Open-PwD/OBC-NCL-PwD/ GEN-EWS-PwD	
TUTITION FEE	127500	0	152500
ENROLMENT & REGISTRATION CHARGES	5000	5000	5000
LABORATORY CHARGES	0	0	0
LIBRARY CHARGES	3000	3000	3000
INSTITUTIONAL DEVELOPMENT FUND	8000	8000	8000
EXAMINATION CHARGES	3000	3000	3000
OUTREACH ACTIVITIES	3000	3000	3000
STUDENT ACTIVITY CHARGES	2300	2300	2300
MEDICAL CHARGES (INDLUDING MEDICAL INSURANCE)	2000	2000	2000
AMENITIES	500	500	500
HOSTEL ROOM RENT INCLUDING ELECTRICITY, IT, WATER CHARGES	9000	9000	9000
ONE TIME CHARGES – 1. SECURITY DEPOSIT(REFUNDABLE) FOR INSTITUTION, LIBRARY & MESS	**15000**	**15000**	**15000**
ONE TIME CHARGES - 2. CHARGES FOR ALUMNI MEMBERSHIP& IDENTITY CARD	**11650**	**11650**	**11650**
TOTAL 1ST SEMESTER FEE	**1,89,950**	**64,950**	**2,14,950**

Optional for MBA (2nd Semester)   …………   ………...
(International Immersion Programme)

Note: Mess charges 18,900/ advance is payable per semester, which is variable, and hasto be paid at the time of joining to Hostel.

M.TECH PROGRAMME – 2023-24			
PARTICULARS	**CATEGORY/ REGULAR**		**SELF FINANCING**
	OPEN/ OBC-NCL/ /GEN-EWS	**SC/SC-PwD/ST/ST-PwD/Open-PwD/OBC-NCL-PwD/ GEN-EWS-PwD**	
TUTITION FEE	25850	0	53700
ENROLMENT & REGISTRATION CHARGES	5000	5000	5000
LABORATORY CHARGES	10500	10500	10500
LIBRARY CHARGES	3000	3000	3000
INSTITUTIONAL DEVELOPMENT FUND	8000	8000	8000
EXAMINATION CHARGES	3000	3000	3000
OUTREACH ACTIVITIES	3000	3000	3000
STUDENT ACTIVITY CHARGES	2300	2300	2300
MEDICAL CHARGES (INDLUDING MEDICAL INSURANCE)	2000	2000	2000
AMENITIES	500	500	500
HOSTEL ROOM RENT INCLUDING ELECTRICITY, IT, WATER CHARGES	9000	9000	9000
ONE TIME CHARGES – 1. SECURITYDEPOSIT (REFUNDABLE) FOR INSTITUTION, LIBRARY & MESS	**15000**	**15000**	**15000**
ONE TIME CHARGES - 2. CHARGES FOR ALUMNI MEMBERSHIP& IDENTITY CARD	**11650**	**11650**	**11650**
TOTAL 1ST SEMESTER FEE	**98,800**	**72,950**	**1,26,650**

Note: Mess charges 18,900/ advance is payable per semester, which is variable, andhas to be paid at the time of joining to Hostel.

Ph.D. PROGRAMME – 2023-24		
	CATEGORY	
PARTICULARS	**OPEN/ OBC-NCL/ /GEN- EWS**	**SC/SC-PwD/ST/ST-PwD/Open-PwD/ OBC-NCL-PwD/GEN-EWS-PwD**
TUTITION FEE	4220	0
ENROLMENT & REGISTRATION CHARGES	5000	5000
LABORATORY CHARGES	3500	3500
LIBRARY CHARGES	3000	3000
INSTITUTIONAL DEVELOPMENT FUND	8000	8000
EXAMINATION CHARGES	0	0
OUTREACH ACTIVITIES	0	0
STUDENT ACTIVITY CHARGES	300	300
MEDICAL CHARGES (INDLUDING MEDICAL INSURANCE)	2000	2000
AMENITIES	500	500
HOSTEL ROOM RENT INCLUDING ELECTRICITY, IT, WATER CHARGES	9000	9000
ONE TIME CHARGES – 1. SECURITY DEPOSIT (REFUNDABLE) FOR INSTITUTION, LIBRARY & MESS	**15000**	**15000**
ONE TIME CHARGES - 2. CHARGES FOR ALUMNI MEMBERSHIP& IDENTITY CARD	**11650**	**11650**
TOTAL 1ST SEMESTER FEE	**62,170**	**57,950**

Note: Mess charges 18,900/ advance is payable per semester, which is variable, andhas to be paid at the time of joining to Hostel.

1. **For Ph.D the comprehensive viva voce and thesis evaluation charges@ Rs. 15,000/- are payable at the time of thesis submission.**

2. **Fees for Part Time PhD Candidate will be same as thatcandidates except Hostel Fees, if the same is not availed.**

REFUND POLICY

Candidates willing to withdraw admission from B.Tech, M.Tech, MBA and Ph.D Programmes may request for admission cancellation and refund of fees through an application (format to be uploaded in NIFTEM official website). The scanned application is accepted through email from the registered mail id to admission cell. The refund of fees shall be made in due course with a minimum time period of 15 days from the date of receipt of application. Refund shall be made after deduction of due cancellation charges as below:

S. No.	Timeline	Refund entitlement
1	Request received up to the date of commencement of Session	Total fee (tuition, development and hostel fee, etc.) after deduction of Rs 1000/ as processing fee
2	Request received after the date of commencement of Session	No refund of the fee deposited except the refundable security amount

Note: In case of Cancellation of B.Tech. Admission conducted through JoSAA/CSAB, the refund request will be initiated only after transfer of funds from JoSSA/CSAB to the **Note: Every effort is made to present correct information. In case of any discrepancy the official records will be final.**

OBC-NCL Certificate Guidelines
Annexure I

Form of Declaration/Undertaking to be submitted by OBC-NCLCandidate (In addition to the community certificate)

I, _____ Son/Daughter of Shri

_____ resident of village/town/city

_____

District _____ State

_____ hereby declare that I belong to the

_____ community which is recognized as a

backward class by the Government of India as per orders contained in the Department of Personnel & Training Office Memorandum No. 36012/22/93-Estt.(SCT) dated 08th September, 1993. I also declare that I do not belong to the persons/sections (**Creamy Layer**) mentioned in Column 3 of the Schedule to the above referred Office Memorandum dated 08th September, 1993, which is modified vide Office Memorandum No. 36033/3/2004-Estt. (Res.) dated 09th March, 2004, O.M. No. 36033/3/2004-Estt. (Res) dated 14th October, 2008 and O.M. No. 36033/1/2013-Estt. (Res.) dated 27th May, 2013. I also declare that the condition of status/annual income for creamy layer of my parents/ guardian is within prescribed limit as on financial year ending on March 31,2022.

Signature of Candidates:_____ Full Name: _____
Correspondence Address:_____ Place: _____
E-Mail:_____ Mobile No: _____
Date: _____

Declaration/Undertaking not signed by the candidate will be rejected

Annexure II

Performa for Other Backward Class (OBC-NCL) Certificate

(CERTIFICATE TO BE PRODUCED BY OTHER BACKWARD CLASSES APPLYING FOR ADMISSION TO CENTRAL EDUCATIONAL INSTITUTIONS (CEIs), UNDER THE GOVERNMENT OF INDIA)

"The Certificate must have been issued on or after 1st April, 2023

This is to certify that Shri / Smt./Kum._____Son/ Daughter of Shri/ Smt._____of Village/ Town

_____

District/ Division_____ in the_____State

belongs to the _____Community which is recognized as a backward class

under:-

(i)   Resolution No. 12011/68/93-BCC(C) dated 10/09/93 published in the Gazette of India Extraordinary Part I Section I No. 186 dated13/09/93.

(ii)   Resolution No. 12011/9/94-BCC dated 19/10/94 published in the Gazette of India Extraordinary Part I Section I No. 163 dated20/10/94.

(iii)   Resolution No. 12011/7/95-BCC dated 24/05/95 published in the Gazette of India Extraordinary Part I Section I No. 88 dated25/05/95.

(iv)   Resolution No. 12011/96/94-BCC dated9/03/96.

(v)   Resolution No. 12011/44/96-BCC dated 6/12/96 published in the Gazette of India Extraordinary Part I Section I No. 210 dated11/12/96.

(vi)   Resolution No. 12011/13/97-BCC dated03/12/97.

(vii)   Resolution No. 12011/99/94-BCC dated11/12/97.

(viii)   Resolution No. 12011/68/98-BCC dated27/10/99.

(ix)   Resolution No. 12011/88/98-BCC dated 6/12/99 published in the Gazette of India Extraordinary Part I Section I No. 270 dated06/12/99.

(x)   Resolution No. 12011/36/99-BCC dated 04/04/2000 published in the Gazette of India Extraordinary Part I Section I No. 71 dated04/04/2000.

(xi)   Resolution No. 12011/44/99-BCC dated 21/09/2000 published in the Gazette of India Extraordinary Part I Section I No. 210 dated21/09/2000.

(xii)   Resolution No. 12015/9/2000-BCC dated06/09/2001.

(xiii)   ResolutionNo.12011/1/2001-BCCdated19/06/2003.

(xiv)   ResolutionNo.12011/4/2002-BCCdated13/01/2004.

(xv)   Resolution No. 12011/9/2004-BCC dated 16/01/2006 published in the Gazette of India Extraordinary Part I Section I No. 210 dated16/01/2006.

(xvi)   Resolution No. 12011/14/2004-BCC dated 12/03/2007 published in the Gazette of India Extraordinary Part I Section I No. 67 dated12/03/2007.

(xvii)   Resolution No. 12018/6/2005-BCC dated 10/10/2007 published in the Gazette of India Extraordinary Part I Section I No. 311 dated12/10/2007.

(xviii)   Resolution No. 12015/2/2007-BCC dated 18/08/2010 published in the Gazette of India Extraordinary Part I Section I No. 232 dated 18/08/2010 & Corrigendum dated11/10/2010.

Shri / Smt. /Kum._____and / or his family ordinarily reside(s)in the_____District /Division of_____State.

This is also to certify that he / she does not belong to the persons / sections (Creamy Layer) mentioned in Column 3 of the Schedule to the Government of India, Department of Personnel & Training O.M. No. 36012/22/93-Estt. (SCT) dated 08/09/93 which is modified vide OM No. 36033/3/2004 Estt.(Res.) dated 09/03/2004 or the latest notification of the Government of India.

Dated :

<div align="right">

District Magistrate/ Competent Authority

</div>

<div align="center">

Seal

</div>

Note :-

(a) The term 'Ordinarily' used here will have the same meaning as in Section 20 of the Representation of the People Act, 1950.

(b) The authorities competent to issue Caste Certificates are indicated below:

(i) District Magistrate / Additional Magistrate / Collector / Deputy Commissioner / Additional Deputy Commissioner / Deputy Collector / Ist Class Stipendiary Magistrate / Sub-Divisional magistrate / Taluka Magistrate / Executive Magistrate / Extra Assistant Commissioner (not below the rank of Ist Class Stipendiary Magistrate).

(ii) Chief Presidency Magistrate/ Additional Chief Presidency Magistrate/Presidency Magistrate.

(iii) Revenue Officer not below the rank of Tehsildar.

(iv) Sub-Divisional Officer of the area where the candidate and/or his family resides.

EWS Certificate Guidelines

Annexure III

DOCUMENTS REQUIRED FOR RESERVATION UNDER EWS CATEGORY

Persons who are not covered under the scheme of reservation for SCs, STs and OBCs and whose family has gross annual income below Rs **8.00 lakh** (Rupees eight **lakh** only) are to be identified as EWSs for benefit of reservation. Income shall also include income from all sources i.e. salary, agriculture, business, profession, etc. for the financial year prior to the year of application.

Also persons whose family owns or possesses any of the following assets shall be excluded from being identified as EWS, irrespective of the family income:

5 acres of agricultural land and above;

Residential at of 1000 sq ft. and above;

Residential plot of 100 sq. yards and above in notified municipalities;

Residential, plot of 200 sq. yards and above in areas other than the notified municipalities.

The property held by a "Family" in different locations or different places/cities would be clubbed while applying the land or property holding test to determine EWS status.

The term "Family" for this purpose will include the person who seeks benefit of reservation, his/her parents and siblings below the age of 18 years as also his/her spouse and children below the age of 18 years.

INCOME AND ASSET CERTIFICATE ISSUING AUTHORITY AND VERIFICATION OF CERTIFICATE

The benefit of reservation under EWS can be availed upon production of an Income and Asset Certificate issued by a Competent Authority. The Income and Asset Certificate issued 'by any one of the following authorities in the prescribed format as given below shall only be accepted as proof of candidate's claim as 'belonging to EWS: -

(i)   District Magistrate/Additional District Magistrate/ Collector/ Deputy Commissioner/Additional' Deputy Commissioner/ 1st Class Stipendary Magistrate/ Sub-Divisional Magistrate/ Taluka Magistrate! Executive Magistrate/ Extra Assistant Commissioner

(ii)   Chief Presidency Magistrate/Additional Chief Presidency Magistrate/ Presidency Magistrate

(iii)   Revenue Officer not below the rank of Tehsildar and

(iv)   Sub-Divisional Officer or the area where the candidate and/or his family normally resides.

Government of ....
(Name & Address of the authority issuing the certificate)

INCOME & ASSEST CERTIFICATE TO BE PRODUCED BY ECONOMICALLY WEAKER SECTIONS

Certificate No. _____   Date: _____

VALID FOR THE YEAR_____

This is to certify that Shri/Smt./Kumari _____ son/daughter/wife of _____ permanent resident of _____, Village/Street _____ Post Office _____ District_____ in the State/Union Territory _____ Pin Code_____ whose photograph is attested below belongs to Economically Weaker Sections, since the gross annual income* of his/her 'family'*** is below Rs. 8 lakh (Rupees Eight Lakh only) for the financial year _____. His/her family does not own or possess any of the following assets*** :

I.   5 acres of agricultural land and above;
II.   Residential flat of 1000 sq. ft. and above;
III.   Residential plot of 100 sq. yards and above in notified municipalities;
IV.   Residential plot of 200 sq. yards and above in areas other than the notified municipalities.

2.   Shri/Smt./Kumari _____ belongs to the _____ caste which is not recognized as a Scheduled Caste, Scheduled Tribe and Other Backward Classes (Central List)

Signature with seal of Office_____
Name _____
Designation _____

Recent Passport size attested photograph of the applicant

*Note1:.   Income covered all sources i.e. salary, agriculture, business, profession, etc.

**Note 2:The term "Family" for this purpose include the person, who seeks benefit of reservation, his/her parents and siblings below the age of 18 years as also his/her spouse and children below the age of 18 years

***Note 3: The property held by a "Family" in different locations or different places/cities have been clubbed while applying the land or property holding test to determine EWS status.